

Homework Guidelines

Homework can either be handed in after class or placed in my mailbox in the BIOS department. Please turn in a hard-copy of your homework, even if it's typed.

Directions to my mailbox: Take elevator in McGavran-Greenberg to the 3rd floor. Turn left out of the elevator and turn right at the hallway. Walk to the end of the hallway (pass Faculty/Staff mailboxes on the left) until you see the student mailboxes on the right. Student names are organized by degree program first, then alphabetically. Look for the Ph.D. program boxes to start (somewhere in the middle) and then look for my name. Make sure you put it in the right mailbox!

Appearance and Format

1. Homework may be typed or hand-written.
2. If you hand-write your HW, **please write legibly!** It should be easily readable!
3. Don't try to cram your HW onto one page. Use spacing appropriately, especially between problems.
4. If you prefer, write on both sides of the paper, as long as your work is neat.
5. Label all problems and parts clearly, with problem number written out to the side.
6. Leave a little space in the margin for the grader to write points.
7. Try to keep parts of problems on the same page, i.e., part (b) should be all on one page, rather than split across two. Entire problems do not have to be kept to one page.
8. Don't turn in scratch work, showing various attempts at problems. Once you have completed the problems, if you did not write neatly the first time, rewrite the assignment. This is a graduate level course!

Organization

1. Please organize your work as much as possible.
2. Please make sure all problems are in numerical order, so that graders can find them easily.
3. If you show your work, try to put it all in one place, rather than in random spots all over the page.
4. When necessary, make your final answer obvious (highlight, circle, etc.), especially for problems involving numerical calculations.

Partial Credit and Software Use

1. If work is shown, then partial credit **may** be given, even if final answer is incorrect.
2. Software may be used either to complete HW or check answers.
3. If you include software output in your assignment, only include what is necessary to answer the problem!
4. Do not turn in SAS Code - it will not be graded.

Hypothesis Test Problems (After Ch. 8)

All of the following parts **must** be included in every hypothesis test you write up. Points will be taken off if you fail to include one or more of these parts.

1. Statement of Null & Alternative hypotheses (H_0 & H_A) in math symbols, not words.
2. Set significance level α .
3. Calculation of appropriate test statistic.
4. Statement p -value corresponding to test statistic.
5. One- or two-sentence conclusion succinctly describing the test result, with reference to the problem context.

EX: “We see that our p -value is less than α , therefore we reject H_0 . That is, we have strong evidence to conclude that Induced Sputum samples weigh significantly more than Spontaneous Sputum samples.”