

BCHE4510/6510 – Guidance and Instructions for Final Exam

- 1) During the test you will be permitted to use your class notes, but not your book. You may additionally use ONE SIDE of an 8.5" × 11" paper for equations and notes. Nevertheless, I suggest you organize your class notes with "sticky-notes" as tabs to indicate location of key equations, etc.
- 2) You will NOT have enough time to read through your course packet searching for answers. While I will not attempt to prevent you from engaging in this searching strategy, you might not finish the test if you do.
- 3) You will be supplied with an answer sheet and with graph paper. Use the graph paper to make accurate plots. Any calculations involving 'curve fitting' must be accomplished on a plot included in your test answers. The absence of a graph for certain solutions is inadequate because the data may not 'fit' to the model you propose in the first place. (Do not use only a calculator to fit an equation without a plot.)
- 4) You should bring a straight edge.
- 5) Arrive before 7:58 (Eiteman cell phone time). The test will begin at 8:00 promptly.

Content:

- 1) The final exam is comprehensive, and any material uttered during class is subject to being on this exam.
- 2) The following subjects are the focus of the exam (115 total points):
 - a) enzymes including inhibition, immobilization and assays (~30%)
 - b) bioreactors including oxygenation and chemostat (~40%)
 - c) other material including T/F, short answer, stoichiometry, biochemistry (~30%)