

## Information on Exam 2 in Math 1450

This exam will cover Chapters 3 and 4 of the textbook (Lectures #6–#12).

This exam consists of 10 problems for 100 points. You can use a calculator and a hand-written note card (8.5" x 11", both sides) that you prepared while taking the exam.

In preparing for Exam 2, you should know how to

1. prove a result by a direct proof
2. prove a result by a proof by contrapositive
3. prove a result stated as a biconditional
4. prove a result by a proof by contradiction
5. prove an existence statement
6. disprove a universal quantified statement
7. disprove an existential quantified statement
8. prove a result by a proof by Mathematical Induction
9. prove a result by a proof by the Strong Form of Mathematical Induction.