The Final Exam is cumulative, covering material from the first two exams as well as what is listed below.

You may bring in the formula sheet for the first exam (printed on one sheet of 8.5”x11” paper) with anything you would like hand written on it.

**Section 11.5 - ANCOVA**

The ANCOVA model equation both with and without interaction
How the interaction term relates to the slopes being the same
How to test that the slopes are the same
How to test the other assumptions
Interpreting the ANCOVA output

**Section 11.7 – Logistic Regression**

What the logistic regression is modeling (how to use the model equation)
Why the standard regression methods (like least squares) and diagnostics are not appropriate for a binary dependent variable
Likelihood ratio test (what it tests, not the equations behind it)
Lemeshow and Hosmer test (what it tests, not the equations behind it)
Testing that the model fits
Testing that $\beta_1=0$

**NOT:** odds ratio or weighted least squares.