

MAT 531: Topology & Geometry, II

Spring 2010

Midterm Information

The midterm will take place on Wednesday, March 17, 5-6:20pm, in Math P131. It will cover Chapters 1, 2, and 4 of the textbook (except for 1.26, 2.33, 2.34, 4.11, 4.12) and *Notes on Vector Bundles*. Please **bring paper and pencils** (you'll receive a sheet with questions, but not an exam booklet to write in).

There will be no class on Tuesday, March 16, but I'll have office hours 1-4pm in Math 3-111 then (as well as on Wednesday 9-10:30am as usual).

After you turn in the exam, please sign up for a time on Thursday, March 18, to pick it up. If you are able to do so before Thursday's lecture, please do, leaving the after-lecture time slots for those who cannot. The midterms will not be returned in class.

You should be able to do all of the exercises from the three chapters of the textbook we have covered (except the ones that involve Lie groups), from the lecture notes, and from the Spring 06 midterm, as well as all homework problems (there is a bit of overlap between these). Make sure you are familiar with the main theorems and techniques covered so far.

This year's midterm will be fairly similar in style to the Spring 06 midterm. However, this does not mean that the differences will essentially consist of replacing some numbers and functions by others. You should use the Spring 06 midterm as a rough guide as to what this year's midterm might look like.

If you are asked to prove anything, on the midterm or the final (or the comps), you should assume all the standard facts that are appropriate for the given question and state clearly what you are using.