

Mathematics 468
Topology
Spring 1998

LECTURE TIME AND PLACE: MWF 1:55–2:45, CCMB 300

LECTURER: John Palmieri

CCMB 219, 631-5352

E-mail: John.H.Palmieri.2@nd.edu

OFFICE HOURS: Wednesdays, 10:00–11:00

and by appointment

(or just drop by—I'm around a lot)

WEB: <http://www.nd.edu/~jpalmier/Math468/>

TEXT: *Differential Topology* by V. Guillemin and A. Pollock

EXAMINATIONS AND GRADING: There will be one one-hour exam and a final; there will also be weekly homework assignments. The one-hour exam is worth 100 points, the final is worth 150 points, and the homework will count for 150 points, for a total of 400 points.

HOURLY EXAM: Wednesday, March 4.

FINAL EXAM: 8:00–10:00 am, Friday, May 8.

HOMEWORK: Homework will be assigned weekly, more or less. Feel free to work with other people on your homework, but you must write your solutions yourself. Some class time will be spent going over homework problems; I will ask each of you to present solutions on the blackboard.

HONOR CODE: Exams and homework are conducted under the honor code. As mentioned above, cooperation on homework is permitted, but copying is not.

PLAN FOR THE COURSE: We will start with a discussion of the topological notions of *open set*, *closed set*, *continuity*, *compactness*, and *connectedness*, as applied to subsets of Euclidean space \mathbf{R}^n (or more generally, subsets of a metric space). Then we will start with Chapter 1 of the textbook, and get as far as we can. Naturally, this plan is subject to change.