- 18 Undergraduate Topology Spring, 1997 Dwyer
- xtbook: C. T. C. Wall, A Geometric Introduction to Topology Hocking and Young, Topology (Supplementary text)

covered the following chapters in Wall's book:

- 1. Spaces and Continuous Maps
- 2. Abelian Groups
- 3. Connected and Disconnected Spaces
- 4. More about Connection
- 5. Definition of Homotopy
- 6. A Study of the Circle
- 7. Lifting and Extension Problems
- 8. Calculations
- 9. Eilenberg's Separation Criterion
- 13. The Jordan Curve Theorem

liked the book, and liked the fact that I was able to get up to the ordan Curve Theorem and give a complete proof of it. Eilenberg's oparation Criterion is clever, elementary and powerful. The class was all and the students were very strong; I'm not sure how the book ould work out with a larger more mixed group. I had two complaints.

- The book spends too much time on algebra in Chapter 2. This delays the treatment of topology. If I were doing this again I'd skip the parts on exact sequences and come back to them much later on when the subject actually comes up.
- There are a lot of misprints in the exercises. Proofread them before you assign them!

tried to encourage class participation, with some success, but not much as I would have liked. I had the students prepare some individual resentations (with my help) on supplementary material from Hocking d Young... for instance, on space-filling curves, or on the general finition of a topological space. (Wall restricts himself, wisely I link, to subspaces of Euclidean spaces.) These presentations went rer pretty well. I'd be tempted to think of giving them a larger role d making it more of a seminar course.

th Wall and Hocking/Young are inexpensive Dover reprints, so it .dn't seem unreasonable to expect the students to buy both of them.