

## End of Semester Syllabus

Here we indicate the sections of the text which were covered and the order of coverage as well as supplementary material.

Chapter 1: 1.2, 1.3, 1.4, 1.5

Chapter 2: 2.2, 2.3, 2.4, 2.5, 2.6

Chapter 3: 3.2, 3.3, 3.4, 3.5, 3.6

Chapter 4: 4.5 (discussed occasionally)

Chapter 5: Here we developed integration theory in the more traditional fashion using local coordinates. We also focussed on 5.3, 5.4, 5.6, 5.7

Chapter 8: 8.2, 8.3,

Supplementary lectures on degree. See the link: “Remarks on Degree and Gauss-Bonnet” on the homepage.

8.4, 8.5

Chapter 7: 7.1, 7.3, 7.5