TMA4170 Fourier Analysis

Final pensum.

- Chapter 2: Lessons 3 - 7, except 7.2
- Dirichlet and Fejer kernels, see notes
- Chapter 3: lessons 8, 9
- Chapter 4
- Chapter 5
- Chapter 6
- Chapter 8, except Lesson 30
- Chapter 9
- Chapter 10
- Chapter 11 Except Lessons 39, 40
- Chapter 12
- See also notes on Short time Fourier transform (some intersection with Lesson 41)
- Haar wavelet analysis (see notes)

All references to Gasquet, Witomski: "*Fourier Analysis and Appplications*"