

**MAT3400/4400 SPRING 2021:  
FINAL CURRICULUM**

I consider the video series and the exercises to be the main content of the course, supported by the literature. Hence the curriculum is formally as follows.

- Lecture 1 to Lecture 34.
- Exercises from week 2 to week 21.
- *Spaces*: Chapter 7 and Chapter 8.1–8.5.
- *Elements of Linear Analysis*.

The video series have sometimes diverged from the literature. Here are the most important differences:

- Lecture 14 covers much of the same ground as *Spaces* 8.5, but obtains more and sharper results.
- Lecture 15 contains material which is not covered in *Spaces*.
- Lecture 19.5 is not in *ELA*.
- Lecture 21.3 and Lecture 21.4 is handled differently than the corresponding result in *ELA*.
- Lecture 26.4 and Lecture 26.5 covers material not found in *ELA*.
- Lecture 33 covers material not found in *ELA*.

The following material is *not* relevant for the exam.

- Lecture 15.5
- Lecture 26.5
- Lecture 33