MAT3400/4400 - Spring 19

Exercises for Monday, May 20

• Exercises from Chap. 5 of the Notes on ELA: 5.11 – 5.16

Exercises for Tuesday, May 21

• From the exam set in MAT3400/4400, June 15, 2018: The whole set[1]

• From the exam set in MAT3400/4400, Dec. 6, 2013: Problem 1

Exercises for Tuesday, May 23

• From the exam set in MAT3400/4400, Dec. 8, 2017: The whole set[2]

• From the exam set in MAT3400/4400, Dec. 6, 2013: Problem 2

[1] except Problems 2a) and 5, which we already have solved earlier in the course.

[2] In Problem 5 of this set, the following terminology is used: if $S, T \in \mathcal{B}(H)$ are self-adjoint, then one writes $S \leq T$ when we have that $\langle S(x), x\rangle \leq \langle T(x), x\rangle$ for all $x \in H$.