

TMA401/MMA400 Functional Analysis 2018/2019
Peter Kumlin
Mathematics
Chalmers & GU

The written examination

The written exam will be given on the **31 of October**. A second exam will be given in January 2019 and a third exam is given sometimes August 2019. The top score for each written exam is 25 points (12 points for “problems” and 13 points for “theory”). To pass the exam a student needs to have at least 10 points, the bonus points from the home assignments included.

At least 7 out of 13 points on the theory of the course will come from the following theorems:

Debnath/Mikusinski (3rd ed): Th 1.2.7, 1.4.9, 1.5.13, 1.6.4, 3.3.15, 3.6.4, 3.6.6, 3.7.7, 4.3.16, 4.4.2, 4.4.14, 4.8.12, 4.8.15, 4.9.8, 4.9.12, 4.9.16, 4.9.19, 4.10.1, 4.10.2, 5.2.6

[K] section 3 on fixed point theory: Theorems 3.1, 3.2, 3.3 and 3.4

[K] section 5 on ordinary differential equations: Theorem 6.7