MM0508 Topologi I
Ugeseddel 3

The home page of this course can be found on Blackboard or directly on
http://www.imada.sdu.dk/˜njn/MM508

In the lectures in week 47   we have covered the following material: Topological spaces, interior points of a set, contact points of a set, sequences in a topological space, dense sets, separability of $\mathbb{R}$, and continuity of a function between topological spaces. This corresponds to the pages 26–35 in the notes.

In the lectures in week 48   we shall continue our investigation of continuous functions on topological spaces, prove Weierstrass´ accumulation theorem, the classical Heine–Borel theorem, and study compact spaces.

Exercises for week 48

- Remaining exercises from week 47.

- The exercise book: 10, 11, 12, exam problem 5 (June 2011)

- The lecture notes: Exercise 2.11, prove the propositions 4.5 and 4.6.

Greetings Niels Jørgen