

INTEGRATION THEORY (INTEGRATIONSTEORI)
(GU[MMA110GU],CTH[TMV100])
w(v) 35-42, 2011

Textbook and pdf-file

[F] G. B. Folland, Real Analysis; Modern Techniques and Their Applications, Second Edition, John Wiley&Sons 1999

[LN] Ch. Borell, Lecture Notes in Measure Theory

Schedule

<http://www.chalmers.se/math/SV/utbildning/grundutbildning/kurser/fristaende-kurser/mma110>

Lectures

35 36; [LN] Chapter 1

37, 38:1,2; [LN] Chapter 2

38:3, 39; [LN] Theorems 3.1.1, 3.1.3, and 3.1.5 in Chapter 3, Section 1; Chapter 3, Sections 3-5.

40:1,2; [F] Chapter 2, 2.26 Theorem [F] Chapter 2, Sections 7 and 4

40:3, 41, 42:1,2; [F] Chapter 3

Examination

Written examination October 20, 2011, morning, V. The test comprises 15 points; to pass requires at least 7 points (at GU 11 points or more is graded VG; at Chalmers a result greater than or equal to 9 points and smaller than 12 points is graded 4 and a result greater than or equal to 12 points is graded 5).

Assignments

A number of exercises solved and handed in by the student at the latest, Tuesdays in weeks 38, 40, and 42, will result in a maximum of 1.5 points at the final examination.

Re-examination

January 11, 2012, morning, V
August 22, 2012, morning, V

Göteborg July 28, 2011
Christer Borell