

**INTEGRATION THEORY (INTEGRATIONSTEORI)**  
(GU[MMA110GU],CTH[TMV100])  
w(v) 35-42, 2010

**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

38:1, 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, Sections 7 and 4

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

**Examination**

Written examination October 21, 2010, morning, H. 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 08, 2011, morning, V  
August 15, 2011, morning, V  
January 08, 2011, morning, V

Göteborg December 29, 2010  
Christer Borell