

INTEGRATIONSTEORI (5p)
(INTEGRATION THEORY)
(GU[MAF440], CTH[TMV100])

Textbooks and pdf-files

- [*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, pdf-files

Lecture times 2004

- Tuesday 13¹⁵ – 15⁰⁰, first lecture in S1, the following in MD4
Wednesday 13¹⁵ – 15⁰⁰, MD4
Friday 8⁰⁰ – 9⁴⁵, MD4

Lecture times 2005

- Wednesday 13¹⁵ – 15, MD4, week 3, 4,5
Friday 10 – 11⁴⁵, S1, week 3, 4

Schedule for lectures

- [*LN*] **Chapter 1:** 45; 46, 47:1
[*LN*] **Chapter 2:** 47:2,3; 48
[*LN*] **Chapter 3:** 49; 50
[*LN*] **Chapter 4:** 51
[*LN*] **Chapter 5:** 3, 4
[*LN*] **Chapter 6:** 5

Examination

Written examination February 5, 2005 (4 hours: 8.30 -12.30), v (re-examinations February 19, 2005, and September 10, 2005, 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).

Assignment

A number of exercises solved and handed in by the student at the latest, Fridays at 9 am in weeks 47, 49, and 51, will result in a maximum of 1.5 points at the final examination.

Göteborg September 2, 2005
Christer Borell