

# Seminar Spaces of Measures

Functional Analysis seminar at Leiden University  
Spring semester 2016, February 5<sup>th</sup> – June 11<sup>th</sup> 2016

## Main references (and abbreviations used in the lectures):

- [Albiac-Kalton]: F. Albiac and N.J. Kalton (2006), *Topics in Banach space Theory*, Graduate Texts in Math., vol. 233, Springer.
- [Alipr.-Burk.]: C.D. Aliprantis and O. Burkinshaw (2006), *Positive Operators*, Springer: Dordrecht.
- [Bogachev-I]: V.I. Bogachev (2007), *Measure Theory I*, Springer: Berlin
- [Bogachev-II]: V.I. Bogachev (2007), *Measure Theory II*, Springer: Berlin
- [Cohn]: D.L. Cohn (1988), *Measure Theory*, Birkhäuser: Boston.
- [Conway]: J.B. Conway (1990), *A Course in Functional Analysis*, 2<sup>nd</sup> ed., Graduate Texts in Math., vol. 96, Springer: New York.
- [Diestel-Uhl]: J. Diestel and J.J. Uhl jr. (1977), *Vector Measures*, Mathematical Surveys, nr. 15, Amer. Math. Soc.
- [Dudley:1966]: R.M. Dudley (1966), Convergence of Baire measures, *Stud. Math.* **27**: 251-268.
- [Folland]: G.B. Folland (1999), *Real Analysis: Modern Techniques and Their Applications*, 2<sup>nd</sup> ed., John Wiley & Sons: New York.
- [Hille-Worm:09]: S.C. Hille and D.T.H. Worm (2009), Embedding of semigroups of Lipschitz maps into positive linear semigroups on Banach spaces generated by measures, *Integr. Equ. Oper. Theory* **63**: 351-371.
- [Kelley]: J.K. Kelley (1955), *General Topology*, reprinted version 2008, Ishi Press International: New York – Tokyo.
- [Pachl-book]: J.K. Pachl (2013), *Uniform Spaces and Measures*, Fields Institute Monographs, Vol. 30, Springer: New York.
- [Pachl:1979]: J.K. Pachl (1979), Measures as functional on uniformly continuous spaces, *Pacific J. Math.* **82**(2): 515-521.
- [Rudin:1976]: W.R. Rudin (1976), *Principles of Mathematical Analysis*, 3<sup>rd</sup> ed., McGraw-Hill.
- [Villani:03] C. Villani, (2003), *Topics in Optimal Transportation*, Graduate Studies in Math. Vol. 58, Amer. Math. Soc.
- [Villani:09] C. Villani (2009), *Optimal Transport: Old and New*, Grundlehren der mathematischen Wissenschaften vol. 338, Springer-Verlag: Berlin.
- [Weaver]: N. Weaver (1999), *Lipschitz algebras*, World Scientific Publishing: Singaore.
- [Williams]: J.D. Williams (1979), *Diffusions, Markov Processes and Martingales, Vol. 1: Foundations*, Wiley: Chichester
- [Worm-thesis]: D.T.H. Worm (2010), *Semigroups on spaces of measures*, PhD thesis, Leiden University.
- [Zaanen]: A.C. Zaanen (1997), *Introduction to Operator Theory in Riesz Spaces*, Springer: Berlin.