M2 MPA : COMPLEX GEOMETRY
COMMENTED BIBLIOGRAPHY

A. HÖRING

- Gerd Fischer, Complex analytic geometry: exhaustive treatment of the basic theory. Useful reference for technical problems of all kind, not for beginners.
- Otto Forster, Lectures on Riemann surfaces: great book on the dimension one case, especially the Chapters 1 and 2. Highly recommended to all students.
- Daniel Huybrechts, Complex geometry: beatifully written, suitable for beginners. Chapters 1 and 2 are very close to the lectures, Chaptres 3 and 4 provide further basic material for a Master thesis in complex geometry.
- Ludger Kaup and Burchard Kaup, Holomorphic functions of several variables: very exhaustive, including many topics on complex analysis of several variables. Useful reference for technical problems of all kind, not for beginners.
- Claire Voisin, Hodge theory and complex analytic geometry: great reference for a Master thesis. Every student should try to read Sections 1-3.
- Wells, Differential analysis on complex manifold: self contained treatment of many basic facts. Especially recommended to students that want to continue in the direction of complex differential geometry or analytic techniques in complex algebraic geometry.