Math695: Reading & Research I

Dr. Jawad Abuhlail

Final Exam (Take Home), Semester 121

due December 31st, 2012

Text Book:

Ulrich Görtz and T. Wedhorn, *Algebraic geometry I. Schemes with examples and exercises*. Advanced Lectures in Mathematics. *Vieweg + Teubner, Wiesbaden,* 2010 (ISBN-10: 3834806765; ISBN-13: 978-3834806765).

- **Chapter 1:** Solve 8 problems, including 3 marked with (*):

1.6, 1.7, 1.8, 1.11, 1.12, 1.14, 1.20*, 1.21*, 1.24*, 1.26*, 1.30

- **Chapter 2:** Solve 8 problems including 5 marked with (*):

2.3, 2.4*, 2.6*, 2.8, 2.9*, 2.14*, 2.15, 2.16*, 2.17*, 2.18*, 2.23*