Pensum - MAT229 - Algebraic Geometry I

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**Textbook:** *Algebraic Geometry* by Robin Hartshorne.

We will have the following curriculum

- Chapter 2: Sections 1 through 4

Additional lecture notes will be given out in class to complement and explain better the most difficult parts of the book. We shall also use some supplementary material, such as David Mumford’s *The red book of varieties and schemes* (Chapter 1) and Igor Shafarevich’s *Basic Algebraic Geometry 1 and 2*. You DO NOT need to purchase these books.

Finally, a number of assignments will be given in class during the lectures. Exercises from those assignment sheet shall be asked at the exam.