Pensum - Algebraic Geometry, Fall 2018

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Textbook: *Algebraic Gemoetry* by Robin Hartshorne.

We will have the following curriculum

- Section 1.1: you can skip the proofs of 1.13 and 1.15.

- Section 1.2: everything.

- Section 1.3: No proof of 3.4.

- Section 1.4: Up to 4.5 (including the proof) + only the statement of 4.9 + the part on *blow ups*

- Section 1.7: For 7.3, 7.4 and 7.5 only know the statements.

In addtion from the lecture notes:

- Section 1: everything

- Section 2: no 2.7 and the proof of 2.6.

- Section 3: Everything

- Section 4: Everything.

- Section 1.7: For 7.3, 7.4 and 7.5 only know the statements.

Also a number of **assignments** will be given in class during the lectures. Exercise from those assingment sheet shall be asked at the exam.