

Scheme Theory

Math 682

Winter 2018

Lecture: MWF 9:00–9:50, 206 Deady Hall
Instructor: Nick Addington
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Web Page: <http://pages.uoregon.edu/adding/courses/682/>
Text: Eisenbud and Harris, *The geometry of schemes*

Homework. By the end of the term, submit two problems from the book.
Prefer interesting problems to routine ones.

Learning outcomes. You will understand why “ $\mathbb{Z}[\sqrt{-5}]$ is not a UFD”
is secretly a statement about line bundles.