

Complex Geometry and Hodge Theory

Math 683

Spring 2018

Lecture: MWF 9:00–9:50, 104 Deady Hall
Instructor: Nick Addington
Office: 208 Fenton Hall
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Web Page: <http://pages.uoregon.edu/adding/courses/682/>
Text: Huybrechts, *Complex geometry*, and/or
Voisin, *Hodge theory and complex algebraic geometry, I and II*

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

Learning outcomes. Lefschetz: “It was my lot to plant the harpoon of algebraic topology into the body of the whale of algebraic geometry.” By the end of the term you will be able to compute the cohomology of smooth hypersurfaces in \mathbb{P}^n .