

Topics in Complex Geometry

Math 6180, Fall 2021

University of Utah

Christopher Hacon

Class Mon, Wed, Fri, 11:50–12:40, LCB 222

Contact JWB 301, (801) 581-7429, hacon@math.utah.edu

Web-page http://www.math.utah.edu/~hacon/2021_6180.html

Text “*Complex Geometry, An Introduction*” by Daniel Huybrechts

see <https://www.math.uh.edu/shanyuji/Complex/Complexgeometry.pdf>

Course description The course is an introduction to complex manifolds. Topics will include holomorphic functions, vector bundles, Kahler Manifolds and Hodge theory.

Grading There will be several homework assignments. You will be allowed to work in groups. There are no midterms / final.

Office hours by appointment

Dates Labor day Holiday Monday, September 6; Fall break Sun-Sun, October 10–17; Thanksgiving break Thurs.-Sun., Nov. 25–28; Holiday recess Sat., December 18 - Sun., January 9

ADA The Americans with Disabilities Act requires that reasonable accommodations be provided to qualified individuals. To discuss such accommodations, please contact me as well as the Center for Disability Services, (801) 581-5020, at the *beginning* of the semester.

Safety The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.