

MATHEMATICS 260-10

Complex Geometry

Reference Text: *Complex Geometry*, by Daniel Huybrechts

This is a course of introduction to Complex Geometry. Topics covered in this course including the theory of manifolds, Riemannian metrics, Kähler Geometry, connections, curvatures, tensors, geodesics, holomorphic vector bundles, Chern classes, cohomology, intersection theory and Kähler Ricci flow etc..

No homework problems and no final. We will count the attendance that no student will miss or be late for 5 classes which is a quarter of this class.