Contents.
Week 1: Projective spaces over fields
Week 2: Frames, the principle of duality, Desargues and Pappus
Week 3 and 4: The projective groups
Week 5: The cross ratio + exercises
Week 6 and 7: Projections and perspectivities
Week 8: Incidence geometry, (axiomatic) projective planes
Week 9: Algebraic varieties, basic concepts
Week 10: Quadrics
Week 11: Polarities, absolute points and examples
Week 12 and 13: Polar spaces
Week 14: Veronese, Segre and Grassmann variety (Plücker and Klein)

Prerequisites.
The course requires basic knowledge of algebra (linear algebra, groups, rings and fields).

References.

Date: Oct 2020.