The course will be in English. It will continue in the Spring semester, as: Algebraic Geometry - Schemes (2).

Course Topics (tentative, for both semesters; more details in course web site):

1. Sheaves on topological spaces.
2. Ringed spaces.
3. Affine Schemes.
4. Schemes.
5. Maps of schemes.
7. Calculating some invariants.
8. The functor of points and moduli spaces.
10. Group schemes and their Lie algebras.