The course is an introduction to the modern field of model theory, through stability. When infinite mathematical objects are presented as models, there is a remarkable discovery that one can find thresholds where the complexity changes significantly. Stability is the most influential of these so-called dividing lines, and over the last forty years, it has had various interesting applications inside and outside model theory. We will in principle start at the beginning, and advance rapidly.

**Grading scheme:** (applicable to those who are not advanced to candidacy)

- 60% homework. Problems will be assigned regularly in class.
- 40% final exam.