

AMATH 536: Mathematical Modeling of Cancer (SLN:10246) Spring 2020

Instructor: Ivana Bozic (ibozic@uw.edu)

Meeting Time: MWF 12:30-1:20pm

Location: THO 235

Course Description: Introduces stochastic and deterministic methods for mathematical modeling of cancer evolution. Particular emphasis on branching process models of cancer initiation, progression and response to therapy, and their relationship to clinical, epidemiological and sequencing data. The course introduces both analytic and computational approaches for modeling cancer, and gets students acquainted with the current research in the field.

The course would be relevant for those who would like to learn more about applied stochastic modeling and population dynamics.

