Lecture outline:

Lectures 1: Continuous-time models for a single species

Lectures 2: Discrete-time models for a single species

Lectures 3: Continuous-time models for interactjng species

Lecture 4: What is a model?

Lecture 5: Enzyme-substrate kinetics

Lecture 6: Neuronal signalling, Hodgkin-Huxley, excitable kinetics

Lecture 7: Infectious disease modelling

Lecture 8: Summary of the course