

M4455: Synthetic Biology and Biotechnology

A [Chapter](#) of an unpublished book by Wolfgang Ebenhöf explaining the relevance of mathematical modelling in the sciences (in German).

An [Introductory Lecture](#) on Mathematical Modelling by [Anna Matuszynska](#). ([LibreOffice](#) required)

A [brief note](#) on the modified Verhulst (logistic growth) equation with correction for low population densities.

[Handwritten notes](#) on modelling signal transduction pathways.

Here you can find the [jupyter notebooks](#) for the tutorial:

- Day 1: PythonIntro.ipynb + ODEIntro.ipynb
- Day 2: BrusselatorLotkaVolterra.ipynb
- Day 3: Signaltransduction.ipynb

Lecture Notes

23 - 03 - 2020: [Notes](#)

24 - 03 - 2020: [Notes](#)

25 - 03 - 2020: [Notes](#)