

An Introduction to Mathematical Modeling in the Life Sciences

Week 1



PKU Cloud Pickup Code EWhk

<https://disk.pku.edu.cn/link/AA3202CD73A8BD4676864A065DEB3DA81D>

File Checklist

- 1) Mathematical Modeling Handout
- 2) Lecture1 pdf
- 3) Videos 1.1-1.6 (Note these are MOOC videos from 2015 and so are not exactly the same as this year's in-class lecture, even if I am telling the same jokes)
- 4) Inner Life of the Cell video
- 5) Dynamic Models Lab Manual
- 6) PS1 (due before class on March 13th, Week 4)

Additional *To Do's*

- 7) Reading: EG Chapter 1
- 8) Reading: EG Lab Manual Sections 1-5
- 9) J.E. Cohen, "Mathematics is Biology's Next Microscope, ...", PLoS Biol., 2004
- 10) Start Problem Set PS1