

Lecture SS05:  
„Introduction to mathematical biology: modelling and concepts”

**Lecture**

1. Introduction	Andr.	19.4.
2. Diffusion	Anja	26.4.
3. Gradients	Andr.	3.5.
4. Turing mech./waves	Lutz	10.5.
5. Oscillations	Lutz	24.5
6. Chaos	Lutz	31.5.
7. Fluctuations and noise	Anja	7.6.
8. Self-organization	Andr.	14.6.
9. Networks	Lutz	21.6.
10. Scaling	Anja	28.6.
11. Model validation/ data & model	Anja/Lutz	5.7.

**Tutorials**

April 19

May 13

June 3

June 17

July 1