

ES97J: Introduction to Systems and Synthetic Biology

[View Online](#)

1.

Cosentino, C. & Bates, D. Feedback control in systems biology. (CRC Press, 2012).

2.

Del Vecchio, D. & Murray, R. M. Biomolecular feedback systems. (Princeton University Press, 2015).

3.

Tözeren, A. & Byers, S. W. New biology for engineers and computer scientists. vol. Pearson Prentice Hall bioengineering (Pearson/Prentice Hall, 2004).

4.

Hahn, B. D. & Valentine, D. T. Essential MATLAB for engineers and scientists. (Academic Press/Elsevier Science, 2017).

5.

Britton, N. F. Essential mathematical biology. vol. Springer undergraduate mathematics series (Springer, 2003).

6.

Murray, J. D. Mathematical biology: I: An introduction. vol. Interdisciplinary applied mathematics (Springer-Verlag, 2013).

7.

Strogatz, S. H. Nonlinear dynamics and chaos: with applications to physics, biology, chemistry, and engineering. (Westview Press, a member of the Perseus Books Group, 2015).

8.

Alon, U. An introduction to systems biology: design principles of biological circuits. vol. Chapman&Hall/CRC mathematical and computational biology series (Chapman & Hall/CRC, 2007).

9.

Keener, J. P. & Sneyd, J. Mathematical physiology. vol. Interdisciplinary applied mathematics (Springer, 2009).

10.

Klipp, E., Liebermeister, W., Wierling, C. & Kowald, A. Systems biology: a textbook. (Wiley-VCH Verlag GmbH & Co. KGaA, 2016).