ES97J: Introduction to Systems and Synthetic Biology



[1]

Alon, U. 2007. An introduction to systems biology: design principles of biological circuits. Chapman & Hall/CRC.

[2]

Britton, N.F. 2003. Essential mathematical biology. Springer.

[3]

Cosentino, C. and Bates, D. 2012. Feedback control in systems biology. CRC Press.

[4]

Del Vecchio, D. and Murray, R.M. 2015. Biomolecular feedback systems. Princeton University Press.

[5]

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

[6]

Keener, J.P. and Sneyd, J. 2009. Mathematical physiology. Springer.

[7]

Klipp, E. et al. 2016. Systems biology: a textbook. Wiley-VCH Verlag GmbH & Co. KGaA.

[8]

Murray, J.D. 2013. Mathematical biology: I: An introduction. Springer-Verlag.

[9]

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

[10]

Tözeren, A. and Byers, S.W. 2004. New biology for engineers and computer scientists. Pearson/Prentice Hall.