

ES97J: Introduction to Systems and Synthetic Biology

[View Online](#)

[1]

C. Cosentino and D. Bates, Feedback control in systems biology. Boca Raton: CRC Press, 2012 [Online]. Available: http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2873820

[2]

D. Del Vecchio and R. M. Murray, Biomolecular feedback systems. Princeton: Princeton University Press, 2015 [Online]. Available: http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2905272

[3]

A. Tözeren and S. W. Byers, New biology for engineers and computer scientists, vol. Pearson Prentice Hall bioengineering. Upper Saddle River, N.J.: Pearson/Prentice Hall, 2004.

[4]

B. D. Hahn and D. T. Valentine, Essential MATLAB for engineers and scientists, Sixth edition. Cambridge, MA: Academic Press/Elsevier Science, 2017 [Online]. Available: <http://0-www.sciencedirect.com.pugwash.lib.warwick.ac.uk/science/book/9780081008775>

[5]

N. F. Britton, Essential mathematical biology, vol. Springer undergraduate mathematics series. London: Springer, 2003.

[6]

J. D. Murray, Mathematical biology: I: An introduction, 3rd ed., vol. Interdisciplinary applied mathematics. [New York]: Springer-Verlag, 2013.

[7]

S. H. Strogatz, Nonlinear dynamics and chaos: with applications to physics, biology, chemistry, and engineering, Second edition. Boulder, CO: Westview Press, a member of the Perseus Books Group, 2015 [Online]. Available:
http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2920400

[8]

U. Alon, An introduction to systems biology: design principles of biological circuits, vol. Chapman&Hall/CRC mathematical and computational biology series. Boca Raton, FL: Chapman & Hall/CRC, 2007 [Online]. Available:
http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2880135

[9]

J. P. Keener and J. Sneyd, Mathematical physiology, 2nd ed., vol. Interdisciplinary applied mathematics. New York: Springer, 2009 [Online]. Available:
http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2326022

[10]

E. Klipp, W. Liebermeister, C. Wierling, and A. Kowald, Systems biology: a textbook, Second, Completely revised and Enlarged edition. Weinheim, Germany: Wiley-VCH Verlag GmbH & Co. KGaA, 2016.