

ES97J: Introduction to Systems and Synthetic Biology

[View Online](#)

-
- Alon, U. (2007). An introduction to systems biology: design principles of biological circuits: Vol. Chapman&Hall/CRC mathematical and computational biology series. Chapman & Hall/CRC. http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2880135
- Britton, N. F. (2003). Essential mathematical biology: Vol. Springer undergraduate mathematics series. Springer.
- Cosentino, C., & Bates, D. (2012). Feedback control in systems biology. CRC Press. http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2873820
- Del Vecchio, D., & Murray, R. M. (2015). Biomolecular feedback systems. Princeton University Press. http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2905272
- Hahn, B. D., & Valentine, D. T. (2017). Essential MATLAB for engineers and scientists (Sixth edition). Academic Press/Elsevier Science. <http://0-www.sciencedirect.com.pugwash.lib.warwick.ac.uk/science/book/9780081008775>
- Keener, J. P., & Sneyd, J. (2009). Mathematical physiology: Vol. Interdisciplinary applied mathematics (2nd ed). Springer. http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2326022
- Klipp, E., Liebermeister, W., Wierling, C., & Kowald, A. (2016). Systems biology: a textbook (Second, completely revised and enlarged edition). Wiley-VCH Verlag GmbH & Co. KGaA.
- Murray, J. D. (2013). Mathematical biology: I: An introduction: Vol. Interdisciplinary applied mathematics (3rd ed). Springer-Verlag.
- Strogatz, S. H. (2015). Nonlinear dynamics and chaos: with applications to physics, biology, chemistry, and engineering (Second edition). Westview Press, a member of the Perseus Books Group. http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2920400
- Tözeren, A., & Byers, S. W. (2004). New biology for engineers and computer scientists: Vol. Pearson Prentice Hall bioengineering. Pearson/Prentice Hall.