# Fall 2024 (5531) GSBS Textbooks

## Required Textbooks

### BBS 741 - Machine Learning and Applications in Genomics

The PDF files for both of the following books will be provided at class:

1. Understanding Deep Learning (ISBN: 978-0262048644)
2. The Elements of Statistical Learning (ISBN: 978-3031387463)

### CTS 603B - Statistical Methods for Survival and Longitudinal Data Analysis

Kleinbaum, D. G., & Klein, M. (2012). Survival analysis: a self-learning text. New York, NY: Springer. ISBN: 978-1441966452

Fitzmaurice, G. M., Laird, N. M., & Ware, J. H. (2011). Applied Longitudinal Analysis. Hoboken: Wiley. ISBN: 978-0-470-38027-7

### CTS 605A - Introduction to Clinical and Translational Research

E-textbook: Goodman M. Biostatistics for Clinical and Public Health Research. 1st edition. 2018. ISBN: 978-1-315-15566-1

Aschengrau A, Seage GR. Essentials of Epidemiology in Public Health 4th Edition. Jones and Bartlett Learning. ISBN-13 978-1284128352

### CTS 729 - Social Epidemiology

Oakes, J. M., & Kaufman, J. S. (2017). Methods in social epidemiology. Hoboken, NJ: John Wiley & Sons.

## Recommended Textbooks

### BBS 602 - Preparation for Qualifying Exam

Greene, Anne E. Writing Science in Plain English. The University of Chicago Press, 2013. (ISBN 978-0226026374)

### BBS 716 - Molecular Biophysics

Kuriyan, J., Wemmer, D., & Konforti, B. (2013). The molecules of life: physical and chemical principles. New York: Garland Science, Taylor & Francis Group. ISBN 978-0-8153-4188-8

### BBS 823 - Advanced Bacterial Pathogenesis

Sherris Medical Microbiology, 7e, 7th ed.; Ryan, K. J., Ed.; Mcgraw-Hill's Accessmedicine; McGraw-Hill Education LLC: New York, N.Y., 2018. <https://umassmed.on.worldcat.org/oclc/1075568703>

### CTS 611 - Scientific Writing

Byrne, D. W. (1998). Publishing your medical research paper: What they dont teach in medical school. Baltimore: Williams & Wilkins. ISBN: 0-683-30074-1

Browner, W. S. (2006). Publishing and presenting clinical research. Philadelphia, PA: Lippincott Williams and Wilkins. ISBN: 0-7817-9506-0

Essentials of Writing Biomedical Research Papers, Second Edition, Mimi Zeiger (ISBN 978-0071345446) 1999

Writing and Publishing in Medicine, Third Edition, Edward J. Huth (ISBN 0683404474) 1998

### CTS 726 - Design and Conduct of Studies of Chronic Disease

Remington PL, Brownson RC, Wegner MW (Editors). Chronic Disease Epidemiology and Control, 4th Edition. Washington, DC. American Public Health Association. 2016. ISBN 978-0-87553-192-2. (available as an eBook from: <https://ajph.aphapublications.org/doi/book/10.2105/9780875532783>)

Thun M, Linet MS, Cerhan JR, Haiman CA, Schottenfeld D (editors). Cancer Epidemiology and Prevention, 4th Edition. New York, NY. Oxford University Press. 2017. ISBN 9780190238667. Available as an eBook through the Lamar Soutter library website.