

Mathematics Self-Study Aids

Probability

- [*Introduction to Probability Models*](#), 7th ed, by Sheldon Ross. ISBN-13: **978-0125980555**.
Not available at CU.
- [*Essentials of Stochastic Processes*](#) by Richard Durrett. ISBN-13: **978-0387988368**
- [*Simulation*](#), 3rd ed, by Sheldon Ross. ISBN-13: **978-0125980531**
- Online resources:
 - <http://www.cramster.com/statistics-and-probability-study-guides-r26-9-cpi0-0.aspx>

Statistics

- [*Probability and Statistics*](#), by Devore (several editions). ISBN-13: **978-0534372811**.
Available on campus
- [*Introductory Statistics*](#) (8th Edition) (Hardcover) by Neil A. Weiss. ISBN-13: **978-0321393616**
- [*All of Statistics*](#) by Larry Wasserman. ISBN-13: **978-0387402727**
- Online resources:
 - Stat Trek, Teach yourself statistics: <http://stattrek.com/>
 - HyperStat Online Statistics Textbook: <http://davidmlane.com/hyperstat/>

Calculus (single- and multi-variable)

- [*Calculus*](#), by Hughes-Hallett et al. (Wiley), 5th edition. ISBN-13: **978-0470131589**
- [*Calculus*](#) by Michael Spivak. ISBN-13: **978-0914098911**
- [*Introduction to Calculus and Analysis*](#), Volume 1 by Richard Courant and John Fritz. ISBN-13: **978-3540650584**
- Online resources: (lots of online help available with a simple search)
 - [Calculus.org](http://www.calculus.org)
 - [Harvey Mudd Math Tutorials](#)

Algebra-based physics

- [*Physics: Principles with Applications*](#), 6th Ed, D. Giancoli (Pearson, Prentice Hall), Starting with Chapter 16. ISBN-13: **978-0130606204**.
- [*Schaum's Outline of College Physics*](#) by Frederick J. Bueche, Eugene Hecht, Paperback: 416 pages, Publisher: McGraw-Hill. ISBN-13: **978-0070089419**.
- Online Resources:
 - [The Physics Hypertextbook](#)
 - [The Free Physics Textbook](#)
 - [Physics Zone](#)

Mathematical Writing

- [*Handbook of Writing for Mathematical Sciences*](#) 2nd Ed, N. Higham (Society for Industrial and Applied Mathematics). ISBN-13: **978-0898714203**.