

## Recommendations for books

### Recommended by Department of Chemistry

<b>Title of the book</b>	<b>Authors</b>	<b>ISBN</b>	<b>Publisher</b>	<b>Number of copies</b>	<b>Year</b>
Mathematical Tools for Understanding Infectious Disease Dynamics	Odo Diekmann, Hans Heesterbeek, Tom Britton	9780691155395 0691155399	Princeton : Princeton University Press	1	2013
An introduction to differential equations and their applications	<u>Stanley I Farlow</u>	048644595X 9780486445953	Mineola, New York : Dover	1	2006
Programming for Computations - MATLAB/Octave : a Gentle Introduction to Numerical Simulations with MATLAB/Octave	<u>Svein Linge;</u> <u>Hans Petter Langtangen</u>	9783319324524 3319324527	Cham : Springer International Publishing	1	2016
Introduction to mathematical epidemiology	<u>M Martcheva</u>	9781489976123 1489976124	New York : Springer	1	2015

Modeling infectious diseases in humans and animals	<u>Matthew James Keeling;</u> <u>Pejman Rohani</u>	1400841038 9781400841035	Princeton : Princeton University Press	1	2008
Handbook of Monte Carlo Methods	<u>Dirk P. Kroese,</u> <u>Thomas Taimre,</u> <u>Zdravko I. Botev</u>	978-0-470-17793-8	Wiley	1	2011
Introducing Monte Carlo Methods with R	Christian Robert, George Casella	978-1-4419-1576-4	Springer	1	2010
Random Number Generation and Monte Carlo Methods	James E. Gentle	978-0-387-21610-2	Springer	1	2003
The Molecules of Life	John Kuriyan, Boyana Konforti, David Wemmer	978-0815341888	Garland science; Taylor and Francis	1	2013
Basic Laboratory Methods for Biotechnology: Textbook & Laboratory Reference- 3rd edition	Seidman, Moore and Mowrey	978-0367244880	Taylor and Francis	1	2022

## Recommendations by Department of Mathematics

<b>Title of the book</b>	<b>Authors</b>	<b>ISBN</b>	<b>Publisher</b>	<b>Number of copies</b>	<b>Year</b>
Mathematical Modelling: A Graduate Textbook	Seyed M. Moghadas, Majid Jaber-Douraki	978-1-119-48399-1	Wiley	1 (Ebook)	2018
Mathematical Analysis for Machine Learning and Data Mining	Dan Simovici	978-981-3229-70-9	World Scientific	1 (Ebook)	2018
Data-Driven Science and Engineering, Machine Learning, Dynamical Systems, and Control	Steven L. Brunton, Nathan Kutz	9781108380690	Cambridge University Press	1 (Ebook)	2019
Probability and Statistics for Data Science Math + R + Data	Norman Matloff	9781138393295	Chapman and Hall/CRC	1 (Ebook)	2020
Measurement Data Modeling and Parameter Estimation	Zhengming Wang, Dongyun Yi, Xiaojun Duan, Jing Yao, Defeng Gu	9781138114920	CRC Press	1 (Ebook)	2012
Classical and Fuzzy Concepts in Mathematical Logic and Applications	Mircea S. Reghis, Eugene Roventa	9780849331978	CRC Press	1 (Ebook)	1998
Mathematical Modeling of Pharmacokinetic Data	Steven Strauss, David W.A. Bourne	9781566762045	CRC Press	1 (Ebook)	

### Recommended by Department of Plant Science

Title of the book	Authors	ISBN	Publisher	Number of copies	Year
Brock Biology of Microorganisms, 15th Edition	Kelly S. Bender, Daniel H. Buckley, W. Matthew Sattley, David A. Stahl	ISBN-13: 978-1292235226 ISBN-10: 1292235225	Pearson	3	15th edition (March 27, 2018)

### Recommended by Department of Statistics

Title of the book	Authors	ISBN	Publisher	Number of copies	Year
Functional and Shape Data Analysis (Springer Series in Statistics)	Anuj Srivastava, Eric P. Klassen	ISBN-13: 978-1493981557	Springer	1	2018
Introduction to Functional Data Analysis	Piotr Kokoszka Matthew Reimherr	ISBN-13: 978-1498746342	Chapman & Hall	1	2017
Geostatistical Functional Data Analysis	Jorge Mateu Ramon Giraldo	ISBN-13: 978-1119387848	Wiley	1	2021
Analysis of Messy Data, Volume II: Nonreplicated Experiments	George A. Milliken, Dallas E. Johnson	ISBN-13: 978-0412063718	Chapman and Hall/CRC	1	2017
Statistical Learning with Sparsity	Trevor Hastie , Robert Tibshirani	ISBN-13: 978-1498712163	Chapman and Hall/CRC	1	2015
Algebraic Geometry and Statistical Learning Theory	Sumio Watanabe	ISBN-13 : 978-0521864671	Cambridge University Press	1	2009

Introduction to Statistical Machine Learning	Masashi Sugiyama	SBN-13 : 978-0128021217	Morgan Kaufmann	1	2015
Statistical and Probabilistic methods in Actuarial Science	Philip J Boland	ISBN 9781584886952	Chapman & Hall	1	2007
Modelling mortality with actuarial applications	Macdonald, A.S., Richards, S.J. and Currie, I.D.	ISBN 9781107051386	Cambridge University Press	1	2018
Understanding Markov Chains: Examples and Applications	Nicolas Privault	ISBN: 978-981-13-0659-4	Springer Undergraduate Mathematics Series	1	2018
Fundamentals of actuarial mathematics	Promislow, D.	ISBN: 978-1-118-78246-0	John Wiley	1	2015
Market-valuation methods in life and pension insurance	Moller, T. and Steffensen, M.	ISBN: 9780521868778	Cambridge University Press	1	2007
Principles of corporate finance: global edition	Brealey, R. A.; Myers, S. C.; Allen, F.	ISBN-13 978-0077151560	McGraw-Hill	1	2016
Economics for Business	Sloman, J.; Hinde, K.; Garratt, D.,	ISBN-13: 9780273792468	Pearson	1	2016
Visualizing Data: Exploring and Explaining Data with the Processing Environment.	Ben Fry	ISBN-13 : 978-0596514556	O'Reilly Media Inc	1	2007
Data Visualization: A Practical Introduction	Kieran Healy	ISBN-13 : 978-0691181622	Princeton University Press.	1	2019
ggplot2: Elegant graphics for data analysis	Hadley Wickham	ISBN-13 : 978-0387981406	Springer	1	2010
Ethics of Big Data: Balancing Risk and Innovation	K. Davis	ISBN-13 : 978-1449311797	O'Reilly Media Inc	1	2012
The Realities of Securing Big Data	D. Ottenheimer	ISBN-13: 978-	Wiley	1	2020

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Image analysis for the biological sciences	Glasbey, C. A., & Horgan, G. W.	ISBN-13 : 978-0471937265	Wiley	1	1995
Counterfactuals and Causal Inference: Methods and Principles for Social Research (Analytical Methods for Social Research)	Stephen L. Morgan	ISBN-13 : 978-0521671934	Cambridge University Press	1	2007
Mastering Spark with R	Luraschi, J., Kuo,K., & Ruiz, E.	ISBN-13 : 978-1492046370	O'Reilly Media Inc	1	2019
Big data for dummies	Huruwitz, J., Nugent, A., Halper, F., & Kaufman, M.	ISBN-13 : 978-1118504222	John Wiley & Sons, Inc.	1	2013

### Recommended by Department of Zoology

<b>Title of the book</b>	<b>Authors</b>	<b>ISBN</b>	<b>Publisher</b>	<b>Number of copies</b>	<b>Year</b>
Oceanography: An Invitation to Marine Science 9th Edition	Tom S. Garrison	1305105168	Goodreads Cengage Learning	1	2015
Essentials of Oceanography (12th Edition)	Alan P. Trujillo; Harold V. Thurman	9780134298092	Pearson	1	2017
Marine Fishes of South-East Asia A Field Guide for Anglers and Divers	Gerry Allen, Roger Swainston, Jill Ruse	9781462917075	Periplus Editions	1	1999
Aquaculture: an introductory text 3rd Ed	Robert R Stickney	9781786390097	Wallingford, Oxfordshire	1	2017