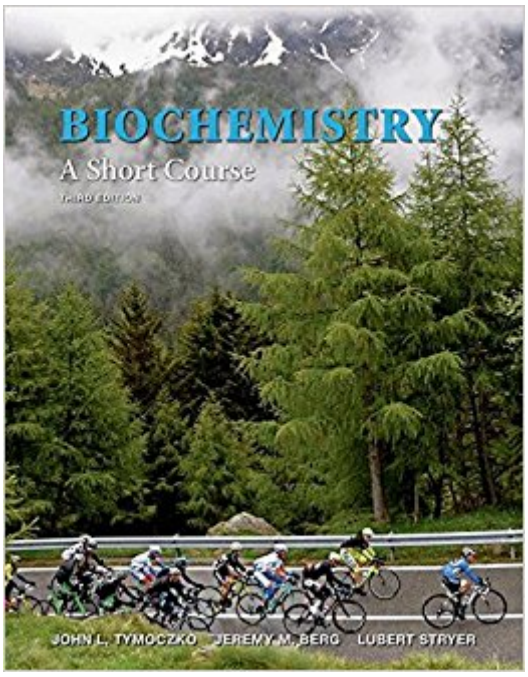
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Biochemistry: A Short Course



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Synopsis

Derived from the classic text originated by Lubert Stryer and continued by John Tymoczko and Jeremy Berg, Biochemistry: A Short Course focuses on the major topics taught in a one-semester biochemistry course. With its short chapters and relevant examples, itÃ¢â ¬â„¢s uniquely effective in helping students see the connections between the biochemistry theyÃ¢â ¬â„¢re studying and their own lives.Ã Â This new edition takes into account recent discoveries and advances that have changed how we think about the fundamental concepts in biochemistry and human health. A number of new interactive features are designed to help instructors create a more active environment in the classroom. Those new resources are found in LaunchPad, the third editionÃ¢â ¬â„¢s dedicated version of W.H. FreemanÃ¢â ¬â„¢s breakthrough online course space.See what's in the LaunchPad

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Customer Reviews

John L. Tymoczko is Towsley Professor of Biology at Carleton College, where he has taught since 1976. He currently teaches Biochemistry, the Metabolic Basisof Human Disease, Oncogenes and the Molecular Biology of Cancer, and Exercise Biochemistry and co-teaches an introductory course, Energy Flow in BiologicalSystems. Professor Tymoczko received his B.A. from the University in Chicago in 1970 and his Ph.D. in Biochemistry from the University of Chicago withShutsung Liao at the Ben May Institute for Cancer Research in 1973. He then held a postdoctoral position with Hewson Swift of the Department of Biology atthe University of Chicago. The focus of his research has been on steroid receptors, ribonucleoprotein particles, and proteolytic processing enzymes.

Jeremy M. Berg received his B.S. and M.S. degrees in Chemistry from Stanford (where he did research with Keith Hodgson and Lubert Stryer) and his Ph.D. in Chemistry from Harvard with Richard Holm. He then completed a postdoctoral fellowship with Carl Pabo in Biophysics at Johns Hopkins University School of Medicine. He was an Assistant Professor in the Department of Chemistry at Johns Hopkins from 1986 to 1990. He then moved to Johns Hopkins University School of Medicine as Professor and Director of the Department of Biophysics and Biophysical Chemistry, where he remained until 2003. He then became Director of the National Institute of General Medical Sciences at the National Institutes of Health. In 2011, he moved to the University of Pittsburgh where he is now Professor of Computational and Systems Biology and Pittsburgh Foundation Chair and Director of the Institute for Personalized Medicine. He served as President of the American Society for Biochemistry and Molecular Biology from 2011-2013. He is a Fellow of the American Association for the Advancement of Science and a member of the Institute of Medicine of the National Academy of Sciences. He received the American Chemical Society Award in Pure Chemistry (1994) and the Eli Lilly Award for Fundamental Research in Biological Chemistry (1995), was named Maryland Outstanding Young Scientist of the Year (1995), received the Harrison Howe Award (1997), and received public service awards from the Biophysical Society, the American Society for Biochemistry and Molecular Biology, the American Chemical Society, and the American Society for Cell Biology. He also received numerous teaching awards, including the W. Barry Wood Teaching Award (selected by medical students), the Graduate Student Teaching Award, and the Professor s Teaching Award for the Preclinical Sciences. He is coauthor, with Stephen J. Lippard, of the textbook Principles of Bioinorganic Chemistry. Lubert Stryer is Winzer Professor of Cell Biology, Emeritus, in the School of Medicine and Professor of Neurobiology, Emeritus, at Stanford University, where he has been on the faculty since 1976. He received his M.D. from Harvard Medical School. Professor Stryer has received many awards for his research on theinterplay of light and life, including the Eli Lilly Award for Fundamental Research in Biological Chemistry, the Distinguished Inventors Award of the IntellectualProperty Owners Association, and election to the National Academy of Sciences and the American Philosophical Society. He was awarded the National Medalof Science in 2006. The publication of his first edition of Biochemistry in 1975 transformed the teaching of biochemistry."

Some chapters are too dense for their own good and other chapters can throw out to much terminology leaving readers confused. If you don’t have any previous experience with biochemistry I’m not saying you should be scared of this book but you must use other references in addition to

this one. For college course it would be easier to seek references on the internet and then consult this book for a better explanation if there is time to do so.

Excellent textbook. Really a 'go to' textbook for anyone interested in Biochemistry.Only concern was with the shipping. The book was placed in a box without any wrapping to protect it during shipping. One corner was damaged during transit. Really a minor issue, but for a new, and relatively pricey textbook, I expect 'pristine/perfect' condition.

The loose leaf version is great. So easy to bring the necessary chapter or two to class instead if carting the massive book.

This book was incredibly well written. It is not good at surviving inside a backpack however, so I would suggest keeping it at your desk or kept inside of a binder if you need to take it to class. It approached all of the concepts in a very understandable fashion, and made these extremely complex concepts very easy to understand without having to simplify the language.The only problem I encountered was the limitations to some of the examples. As this book is the short course, it did not go into high detail on some metabolic disorders, however it covered the metabolic pathways completely and thoroughly. If you would like to understand some disorders more thoroughly, I suggest looking at the questions in the end of the chapters involving the disorders, and checking the answers back of the book for more information related to said disorder. Other than that, this field is very highly researched, so I am sure that you could find more information on the disorders online or in the full course text.I earned an A in my course, and my professor teaches at a near med-school level without curving the grades. The subject is very complex so understanding the concepts can be tough, however the chapters are very easy to read and as I said before, very understandable.

I'm oddly a bit obsessed with how this book feels. It's a hardcover book, but the outside is sooo soft. It's like velvet or felt or something (I'm not so great with knowing fabrics). I just wish all my books felt this way. It was also a great book for studying biochemistry. It came in handy.

This book is probably at graduate or medical school level. It was way too advanced for my Intro Biochem (BI 230) course, although I'm not complaining because the book was helpful in pushing me to understand the concepts at a deeper level. I will have to use the same book for my 400 level

Biochem courses anyway.

I thought this book lacked organization. I couldn't seem to find what I needed without consulting the table of contents, even though I would know I was in the right chapter. It is very detailed and in depth though, just requires time to understand how it is organized.

Great way to save money and the book looks great!

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