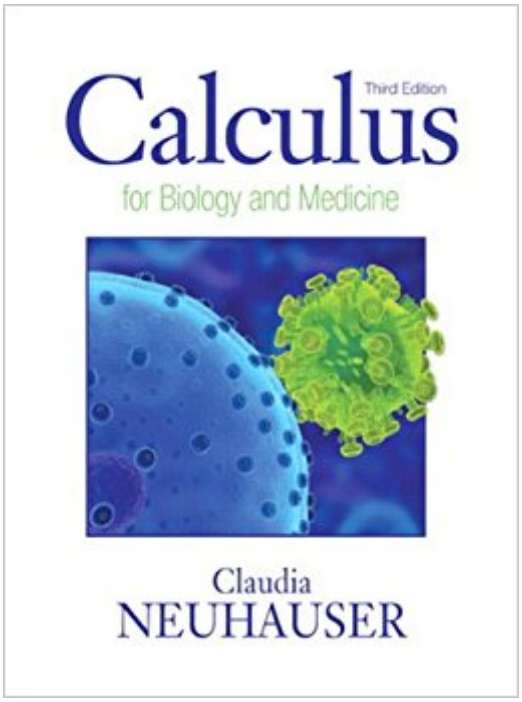
Calculus For Biology And Medicine (Calculus For Life Sciences Series)



Synopsis

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Calculus for Biology and Medicine, Third Edition, addresses the needs of readers in the biological sciences by showing them how to use calculus to analyze natural phenomenaâ ”without compromising the rigorous presentation of the mathematics. While the table of contents aligns well with a traditional calculus text, all the concepts are presented through biological and medical applications. The text provides readers with the knowledge and skills necessary to analyze and interpret mathematical models of a diverse array of phenomena in the living world. This book is suitable for a wide audience, as all examples were chosen so that no formal training in biology is needed.

Book Information

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Customer Reviews

This is a terrible textbook which I believe has not been proofread and/or edited at all before being pushed for publication. I am taking a class that deals only with one chapter in this book, Probability and Statistics and I have found numerous errors, mathematical inaccuracies, and formatting

anomalies.The answers in the back of the book are inconsistent with the correct answers, the answers in the supplementary solutions manual, are also inconsistent with the correct answers, and contain many grammatical and mathematical typos. In one such instance during the exercise problems after a section, the numbering jumps from 48 to 50, leaving no mention of question 49. Instead of correcting this error, the solutions in the back of the book begin to refer to problem 50 as 49, resulting in every problem thereafter being inaccurate.For the most part, the example problems in the section do not correlate to the more difficult questions in the textbook even slightly, with one question referring to a Bernstein inequality, a theorem which had yet to be even mentioned in the chapter. Inspection of the index reveals that the ONLY time this theorem is referenced to in the book is within the question asking about it itself.All in all, a terribly written textbook with little to no effort put into the mathematical theory. At the hefty price of over $100, I am not satisfied and will not be taking any more classes that involve this textbook and author ever again.

I find calculus to be a very exciting subject, and so I opened up Neuhauser's book with the right frame of mind. The subject has a lot of application to medicine and biology, but this textbook fails to bring students a reasonable learning experience. I find it surprising that, despite being on its third edition, the book still reads like a draft in need for a few more readings by an editor. I cannot fathom why professors still assign this lousy textbook. Here's why.1.) It has numerous errors. Many of the answers in the back of the book are not correct. Sometimes these errors are small, such as mixing up a 4 with a 9. Other times these errors are more substantial.2.) Though it does have exercises related to biology and medicine, there are not nearly enough, and explanations are rarely given. I've seen about equal amounts of biomedical word questions in other non-biomedical math textbooks, and at least there they were usually explained in full. This book fails to reasonably portray the application of calculus to biology and medicine. There is plenty of material Neuhauser could have included to make his book exciting or relevant, yet he almost entirely neglected to.3.) Explanations often skip vital steps, which are enough to confuse someone learning calculus. This textbook almost feels like it's intended as a refresher for someone who has already taken the course. But then, such a reader will likely find themselves irked by the book's errors.

The conceptual explanations were horrible and confusing. It's definitely not straight-forward. Sample problems were mediocre at best. The only good thing about this book are the problems; there are about 50 questions per chapter section. Most of them are moderate-easy to get the concepts down. Then there are a decent amount of moderate difficulty and a handful of hard problems. I cannot

attest to the plethora of errors in the solutions, as my professors worked on the problems and posted the answers on our class website.Fortunately, most of the professors I just used the book for practice problems and lectured in their own style (Thankfully!). If you are required to read this on your own for your calculus class..... good luck.

This is a horrendous book. It has not been proofread, the majority of the answers in the back of the text are incorrect.(verified by proffessor) the explanations are incomplete and skip steps. overall this textbook warrants 0 stars however the minimum allowed is 1 star which is overly generous considering its not worth the paper it's printed on. I did not know that textbooks could be of this low quality this sets a new standard for garbage.

I bought it for my college class, and it does its job of teaching, but I don't really see how it's for bio and medicine, except for the few examples each chapter. Math's not my strong suit, so I don't particularly know if this is a good book or not, but I had to use it and I passed! yay!

Claudia neuhauser you should be ashamed of this illegible "textbook". I am not new to calculus, in fact I tutor calc 1 and 2. This book reads like an instruction manual with little to no explanation of the steps taken. Worst math textbook I've ever read. Buy only if you need for class.

This book sucks in so many levels. First, the examples were terrible and I mean "holy-moly-shirley-temple" terrible! lol. I definitely DON'T recommend this book especially to college profesor that teaches this class.

This book is horribly unclear and should not be used in University curriculum. I learned everything for this class on Khan Academy.

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