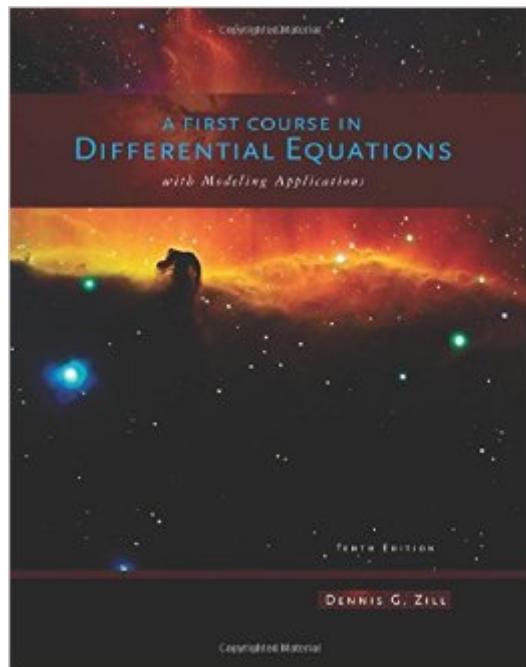


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# A First Course In Differential Equations With Modeling Applications



## Synopsis

A FIRST COURSE IN DIFFERENTIAL EQUATIONS WITH MODELING APPLICATIONS, 10th Edition strikes a balance between the analytical, qualitative, and quantitative approaches to the study of differential equations. This proven and accessible book speaks to beginning engineering and math students through a wealth of pedagogical aids, including an abundance of examples, explanations, "Remarks" boxes, definitions, and group projects. Written in a straightforward, readable, and helpful style, the book provides a thorough treatment of boundary-value problems and partial differential equations.

## Book Information

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Average Customer Review: 2.9 out of 5 starsÂ  See all reviewsÂ  (82 customer reviews)

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## Customer Reviews

My number one and number two complaint about this book is that it lacks examples and it skips steps. Often times it will show a theorem but will not show an example of how it is used in real world problems. The examples it does show usually skips steps and leaves you scratching your head wondering how the heck it got the there. If you can look at a theorem and know how to solve an equation then this book might be for you. If you are like me and need lots of examples that walk you step by step, without skipping steps, then this book is NOT for you.

This book might as well be written in Chinese; it is incomprehensibly difficult to read, much less to understand. If you are planning on taking a differentials course, try getting a better book that this, if your school does not force you to get it. better yet, use the library to do the homework and then return it; I would burn it, but I am renting it this semester. There are far better sources on the web

which can describe this subject better. the author jumps many steps leaving you wondering where the magic answers came from. if you are trying to learn this subject, this is the dumbest thing do have, especially if you plan on taking more than 1 class and not spend the day wondering about what the book is trying to say. Try paul's notes on differentials, he is very clear on the subject and the examples really help (google). also you tube will be a good friend on explaining further. I feel like i just got robbed \$90, i don't even have a coffee table that's out of balance. :(

This textbook is pretty dense. I've read a lot of math books and this one packs a lot in in a small space. I personally like more content to really explain a concept. But that's what a teacher is for right? So don't get this book if you are trying to self teach DEQ. Other than that it's great.

Explanations were sometimes difficult to follow. Also, quite often explanations referred to previous examples or earlier problems. Would prefer if the author would take the time to repeat the concept or problem, instead of having to find the problem or example he was referring to.

I've seen a few Diff Eq books now, and this one is by far the most difficult to follow. Not happy with my grade at another school, I took the class again, and was stunned at how bad this book is. Boyce/ DiPrima is substantially easier to follow and at least as rigorous. In fact, by the end of the class, we were ALL using my Boyce/ DiPrima instead of this thing.

I'm a little surprised by how low the reviews are on this book. I'm using this book for an online-only differential equations course, where the entire course is self-teaching from this book + KhanAcademy/MIT-OCW. I found it helpful to supplement the book with videos on occasion, but I don't think that's worth removing a star. The only downside I see is that some of the chapter-end practice problems have no precedent in the chapter - they just come out of the blue. This usually comes in the form of a problem dealing with a graph of a solution curve and drawing conclusions just based on looking at the graph - several chapters have had these types of problems without any mention of graphical analysis in the actual chapter. Luckily the majority of the problems are covered (and covered well) in the preceding chapter.

I'll not talk about the book in general, there are plenty of reviews on here that cover that.... I'm assuming you're buying it because it's required and you're trying to get the best deal. I was and I bought the global edition. It's a paperback version and supposed to have the exact same contents

as the version for the US market. But at around \$25 (and paperback!) I bought it. My professor assigns homework straight from the book which is where I ran into issues. For example, the #24 in her 10th edition for the first section is my #22. It seems all the same problems are there, but in a different order, so if your prof is going to do what mine is, then this version may not be helpful to you. Luckily my professor does not collect nor grade homework, so it'll be okay for me.

All of the text and images are the same as the original book but the problems are in a different order which is frustrating if you have to do assigned problems from the text. A really good buy for the price but just be weary of the questions being switched up!

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