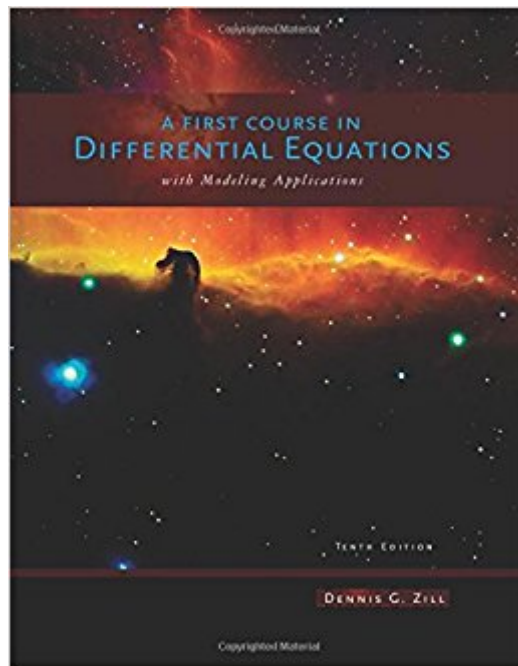




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# A First Course In Differential Equations With Modeling Applications



## 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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Dennis G. Zill is professor of mathematics at Loyola Marymount University. His interests are in applied mathematics, special functions, and integral transforms. Dr. Zill received his Ph.D. in applied mathematics and his M.S. from Iowa State University in 1967 and 1964, respectively. He received his B.A. from St. Mary's in Winona, Minnesota, in 1962. Dr. Zill also is former chair of the Mathematics Department at Loyola Marymount University. He is the author or co-author of 13 mathematics texts.

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.

Even though it is not the same book as US edition, it has exactly same content. This book is international edition published in India, but is exactly similar to the book that is published in US and is much cheaper.

I have been disappointed with the examples, and explanations in this book. As an engineering

student, I learn best and understand the use of my material best when I can see it applied in a somewhat meaningful way. The book has very in-depth text on the theory of everything. I was also displeased by the labeling and collecting of formulas. It was done poorly, if at all in my opinion. I have no books to compare with this one so I cannot say whether others are better or worse but I was not totally pleased with this particular one.

Okay, but nothing exceptional. I remember quite clearly working problems over power plants with regenerators which was the main focus of the class since the instructor was a retired navy nuc/power plant engineer. When I took the physics thermodynamics course (Schroeder's Thermal Physics) I did not reference this book because I had sold it. Rather Moran and Shapiro was the choice.

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!

I love it as in, "yay it came in the mail quickly! two days after class had started, cause I am dreading the class and waited to order it last minute!!" Do I REALLY love it? It's actually rather funny in some sections. I especially like the passive aggressiveness towards America never changing to the metric system. HAHAAHA

I will just give it a 2 because I feel good. Not short and concise like the great math texts in the past. I think text is somewhat choppy and not fluent. That is the text used in class. Maybe a tough math topic but if u want to get a good text Elementary Differential Equations Boyce 10th ed.

Needed this for class, it came as expected.

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