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# Reinforced Concrete Design



## Synopsis

Updated to Reflect the 2005 ACI Building Code Now revised to reflect the latest developments in the field, this thoroughly updated Seventh Edition of Chu-Kia Wang, Charles G. Salmon, and Jos  A. Pincheira's Reinforced Concrete Design incorporates the changes in design rules arising from the publication of the 2005 American Concrete Institute (ACI) Building Code and Commentary (ACI 318-05). Written for students and practicing engineers, the book explains the basic concepts you need to understand and properly apply the ACI Code rules and formulas. Throughout, the emphasis is on the ACI approach involving strength and serviceability "limit states" and factored loads. Detailed numerical examples illustrate the general approach to design and analysis. New Features

- \* Load and Strength Reduction Factors: Example problems in all chapters are completely revised using the load and strength reduction factors that now appear in the main body of the 2005 code.
- \* Unified Design Provisions: The treatment of the Unified Design Provisions for flexure, which are now in the body of the 2005 ACI Code, is thoroughly revised.
- \* Strut-and-Tie Models: Presents entirely new design provisions using strut-and-tie models, in accordance with Appendix A of the 2005 ACI Code.

## Book Information

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## Customer Reviews

Salmon is by far one of the better text books on the market today. Any Student wanting to learn both the theory and practical applications to reinforced concrete design, this is the book to get. The best part about the book is that it makes you think and work to understand the material, while providing

excellent example problems.

This book has excellent examples for thoroughly designing reinforced concrete structural members. It references directly to the ACI code.

I've been out of school several years and haven't kept up with changes in the concrete code since ACI 318-71, so when I recently had to do some concrete design, I had some catching up to do. This one doesn't cover the latest code (only 318-05), but I've always thought this author wrote the best concrete books - good on theory, code, and examples. This book was even better than the previous version I had. No disappointment here! Unfortunately, Dr. Wang is no longer with us. But thanks for the great books while you were!

I want this book, cause I don't want to mess up with my concrete class as long as the lecturer is my adviser... And then when I go on the Internet, I found out that this book is like crazy expensive! what?? \$1700 for a textbook? Are you sure that its not made of gold? Never mind, and then I find this one. It's "only" 200 bucks, so obviously I would not expect it to be in good condition. But things turn out to be terrific! This book is really as new as never been used. There are just some highlights in the first several pages!!! I wonder the former user didn't even touch it a lot. And since this product can't be tracked, once I was worried. It takes around 10 days and I am really satisfied since the good condition of the book. So all in all, Great!!!!!!!

I used this older (4th) edition when I was in school over 26 years ago and I have lost this book and here I am returning to this book as a professional as I know it's my best choice for the simple reason: excellent Author illustration and smooth transition in the understanding. This book offers gradual and user friendly methodology that the average engineer can grasp and always can refresh the memory easily.

The discussions were clear and the sample problems hit the bull's eye. I recommend this book to be included in the school library.

Really, this one of the best book of reinforced concrete.Explains the equations of the code, good examples, etc.was excelent while student and still being good up to now.One of the best books in the market

The authors do a very good job of explaining the material in this textbook. They always reinforce all principles with many clear and detailed examples, which makes understanding the material much easier. Compared to other concrete textbooks, it seems the authors have leaned more toward explaining just how to design reinforced concrete members (as the title of the textbook suggests) but less on the MECHANICS AND THEORY of reinforced concrete. In my opinion, the most complete reinforced concrete textbook in the market is "Reinforced concrete: Mechanics and design by Wight and Macgregor."

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