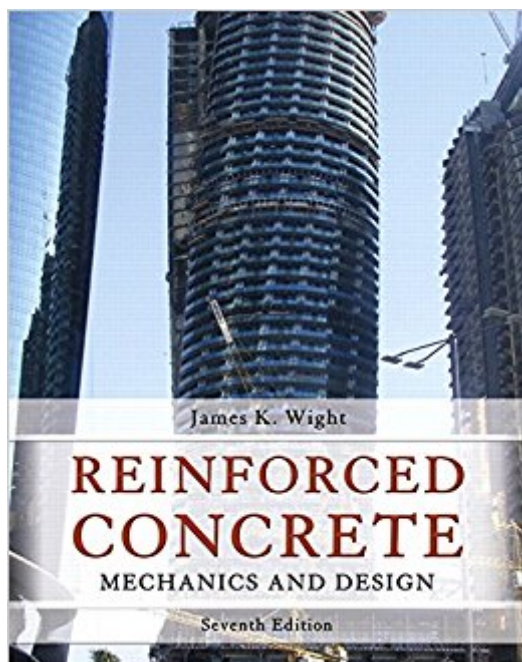


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# Reinforced Concrete: Mechanics And Design (7th Edition)



## Synopsis

For courses in architecture and civil engineering. **Reinforced Concrete: Mechanics and Design** uses the theory of reinforced concrete design to teach readers the basic scientific and artistic principles of civil engineering. The text takes a topic often introduced at the advanced level and makes it accessible to all audiences by building a foundation with core engineering concepts. The Seventh Edition is up-to-date with the latest Building Code for Structural Concrete, giving readers access to accurate information that can be applied outside of the classroom. Readers are able to apply complicated engineering concepts to real world scenarios with in-text examples and practice problems in each chapter. With explanatory features throughout, the Seventh Edition makes the reinforced concrete design a theory all engineers can learn from.

## Book Information

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## Customer Reviews

James K. Wight received his B.S. and M.S. degrees in civil engineering from Michigan State University in 1969 and 1970, respectively, and his Ph.D. from the University of Illinois in 1973. He has been a professor of structural engineering in the Civil and Environmental Engineering Department at the University of Michigan since 1973. He teaches undergraduate and graduate classes on analysis and design of reinforced concrete structures. He is well known for his work in earthquake-resistant design of concrete structures and spent a one-year sabbatical leave in Japan where he was involved in the construction and simulated earthquake testing of a full-scale reinforced concrete building. Professor Wight has been an active member of the American Concrete

Institute (ACI) since 1973 and was named a Fellow of the Institute in 1984. He is a Past-President of ACI and a past Chair of the ACI Building Code Committee 318. He is also past Chair of the ACI Technical Activities Committee and Committee 352 on Joints and Connections in Concrete Structures. He has received several awards from the American Concrete Institute including the Delmar Bloem Distinguished Service Award (1991), the Joe Kelly Award (1999), the Boise Award (2002), the C.P. Siess Structural Research Award (2003 and 2009), the Alfred Lindau Award (2008) the Wason Medal (2012) and the Charles S. Whitney Medal (2015). Professor Wight has received numerous awards for his teaching and service at the University of Michigan including the ASCE Student Chapter Teacher of the Year Award, the College of Engineering Distinguished Service Award, the College of Engineering Teaching Excellence Award, the Chi Epsilon-Great Lakes District Excellence in Teaching Award, and the Rackham Distinguished Graduate Mentoring Award. He has also received Distinguished Alumnus Awards from the Civil and Environmental Engineering Departments of the University of Illinois (2008) and Michigan State University (2009).

I have an older 4th edition, very used, and still in good shape. The educational content is very good IMO. But it stops there. I purchased the 6th edition for a school requirement, and as others have mentioned, the binding disintegrated, pages falling out, etc.. I now purchased the 7th edition since it is updated for the ACI 318-14 material, and the reviews seemed high. I realize now that the reviews are for all versions of the book, not just the 7th edition. This 7th edition is printed on extremely low quality paper. It's similar to the cheapest paper you can buy for your home printer. The low quality paper makes the book about a third larger than the previous editions, although the number of pages between all versions is only around 10 pages. The low quality finish on the paper results in a lot of see-through properties. So while you read a page there is a lot of background showing through from the pages beneath what you are reading. Also, the low quality paper warps/waves much easier, like it is primed to absorb any amount of humidity in the air. I attached several images showing the 3 versions size comparison; the binding of 6th edition; and size and see-through properties of the 7th edition. You can see the 7th edition is just plain white paper. I hope it helps others to be informed buyers. I am returning this 7th edition promptly. The 6th edition is low quality construction. The 7th edition is lower quality construction than the 6th. \$212 is far too much for me to pay for such a low quality construction like this. Fool me twice with the 7th edition - shame on me. I really did like the content and wish I could find the new edition in a normal textbook quality. This forces me to find a different book entirely...

This is probably the best textbook for reinforced concrete design in the market, especially for the two to three semester sequences of reinforced concrete courses that are taught at universities. It provides many in-depth examples and clearly explains all procedures in a very concise manner, making the textbook very readable. The authors also spent a lot of time discussing the MECHANICS of reinforced concrete, which is something that many other textbooks do not thoroughly cover. I would highly recommend this textbook to any student in Structural Engineering. It also serves as an excellent reference for practicing structural engineers. You will not be disappointed when you read this textbook.

Cover all basic material, a very good reference for both structural engineers, and graduate students. Very good reference to understand ACI 318 deeper and better, although works well for other standard codes due to comprehensive coverage of materials. May not be good for those people who are looking for a simpler source or for some undergraduate students in early of their study.

This is one of the most thorough and complete concrete books out there. From the early years of college until my thesis defense for my masters in structural engineering, this book has helped me a lot.

Good book and low price.

Amazing product, fast shipping, great customer service! Love it!

The book has everything you could ask for in a Concrete textbook. We didn't use this too much in class, but from what we did use the detail was very thorough.

Prof. J. K. Wight, who was the Chairman of the committee, which revised the current ACI 318 code has joined with professor J.G. MacGregor (who also is a past President of ACI and chaired several ACI & Canadian code committees) in writing the fifth edition of this standard, well established and popular text book. Their experience is distilled in this well written book, which covers both theoretical as well as practical aspects of reinforced concrete structures. The ACI code clauses are well explained with examples. Though the book a bit expensive, it contains 1112 pages of useful information which includes several figures, tables, photos, charts and several worked out examples. A few examples are also in SI units and equations are presented in SI units also throughout this

book. Hope in future editions the authors will include a CD containing some spreadsheets for the design of various elements. I would recommend this book to any one interested in reinforced concrete design.

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