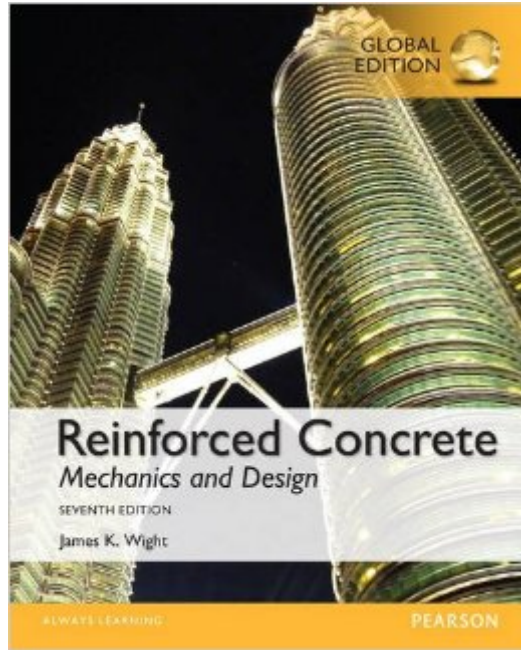


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# Reinforced Concrete: Mechanics And Design



## 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. --This text refers to the Hardcover edition.

## Book Information

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## Customer Reviews

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.

The Book is really good and easy to follow. I am a practising engineer and bought it for personal study. Students should find it very useful. The big problem being an engineer outside the US is the unit system, I still cant understand why keep suffering with this terrible unit system. An edition with international units would be very valuable. Of course that shouldnt too much trouble for any engineer to work with, but the sense of magnituds is hard (impossible) to acomplish. Great Book.

This is a terrific book. Wight is at the top of his field, having chaired the committee (318) that writes and maintains the code for structural concrete, and having taught the subject for many years. The book was originally written by James MacGregor, and was excellent then. It has only improved (and been updated to match the new organization of the 2014 code) since Wight took it on. It contains many examples, so serves well students who are learning the subject, and it goes into sufficient depth to be useful to life-long professionals as well.

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 alot.

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 looking for a simpler source or for some undergraduate students in early of their study.

If it was possible to rate this textbook 0 starts I would. It is the most circuitous textbooks I have ever had the displeasure of reading. I do not recommend this textbook to those who are new to reinforced concrete design.

I needed this book for a class and I used it all throughout the semester. The book was helpful and exactly as expected. I will keep this book on my shelf in my office.

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