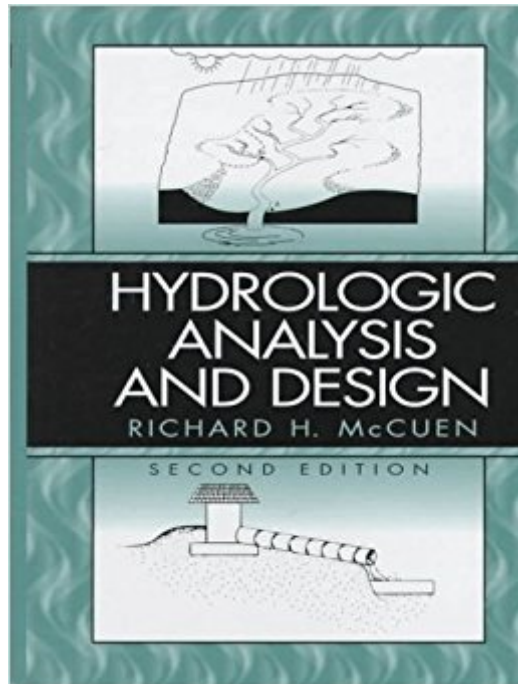




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# Hydrologic Analysis And Design (2nd Edition)



## Synopsis

Real-world in perspective, this book offers an applications-oriented introduction to engineering analysis and design methods that are related to various components of the hydrologic cycle, especially urban hydrology. The book explores the physical processes of the hydrologic cycle, the computational fundamentals of hydrologic analysis, and the elements of design hydrology. For anyone interested in Hydrology or Hydraulics and in Civil Engineering, Environmental Science, Forestry, and Geology.

## Book Information

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## Customer Reviews

Real-world in perspective, this book offers an applications-oriented introduction to engineering analysis and design methods that are related to various components of the hydrologic cycle, especially urban hydrology. The book explores the physical processes of the hydrologic cycle, the computational fundamentals of hydrologic analysis, and the elements of design hydrology. For anyone interested in Hydrology or Hydraulics and in Civil Engineering, Environmental Science, Forestry, and Geology.

This is by far one of the worst textbooks I have had the misfortune of using. The text is poorly written, riddled with mistakes, and the author spends little to no time explaining examples or equations. There are more skipped steps on example problems than I can count. In McCuen's forward, he mentions that he intended to write a text which is accepted and understood, and makes

things simple and straightforward for the student. If this was McCuen's true intention, then he has utterly failed as an author. Don't waste your time with this book if I can, get another one.

I really think the quality of textbooks has decreased. The older my textbooks are- the better. The examples are sub-par and there are too few of them but that seems to have become the norm now. Its a decent book. It got me through the coursework and I continue to use it in my career (2 years later). Around the office ( I work at a medium/large regional water resources engineering firm) I may be the only one with this particular book and I find that unsettling. Many of my coworkers have one of three other more mainstream books and I wonder why my professor liked this one so much.

So far that I have used it, it is a complete book on hydrology with descriptive chapters and examples. I wish I could've found hard cover instead of paperback.

The book is really helpful for the hydrology class. Would recommend it to any college student having hydrologic classes. Good reference book.

Thank you, it was very fast!

This book is an excellent source of information, especially for those who are interested in learning the fundamental aspects of surface hydrology. Dr. McCuen did a fantastic job conveying both the theoretical and applied nature of hydrology. An emphasis was placed on stochastic hydrology and statistical methods, which proved particularly useful when designing storm-water management facilities. Additional topics of importance include [but are not limited to]: channel routing, orifice/weir design, detention basin design, watershed delineation and hydrograph interpretation. Practice problems are included at the end of each chapter. The book is detailed, thorough, and comprehensive...highly recommended!

I used this book for a graduate engineering hydrology course. The text covered the basics of surface water flow well enough (not spectacular), but there were numerous issues; namely incorrect answers to the exercises at the end of the chapter, numerous typos, and the information regarding groundwater is very poor at best. Also, the print quality was lacking, especially some of the graphs and maps in the back of the book, which you could barely make out. I prefer Physical Hydrology by Dingman, it is a much more competent book on the subject.

This book is hard to read because of the extensive and monotonous writing in addition to lacking variety of examples. I took a semester of Hydrology Design, taught by Dr. Mc Cuen himself, in which he had to complement the lectures with numerous handouts with graphs, formulas, examples, and procedures that are not available in this textbook. You would be better off checking your University's Library database for other authors rather than purchasing this textbook.

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