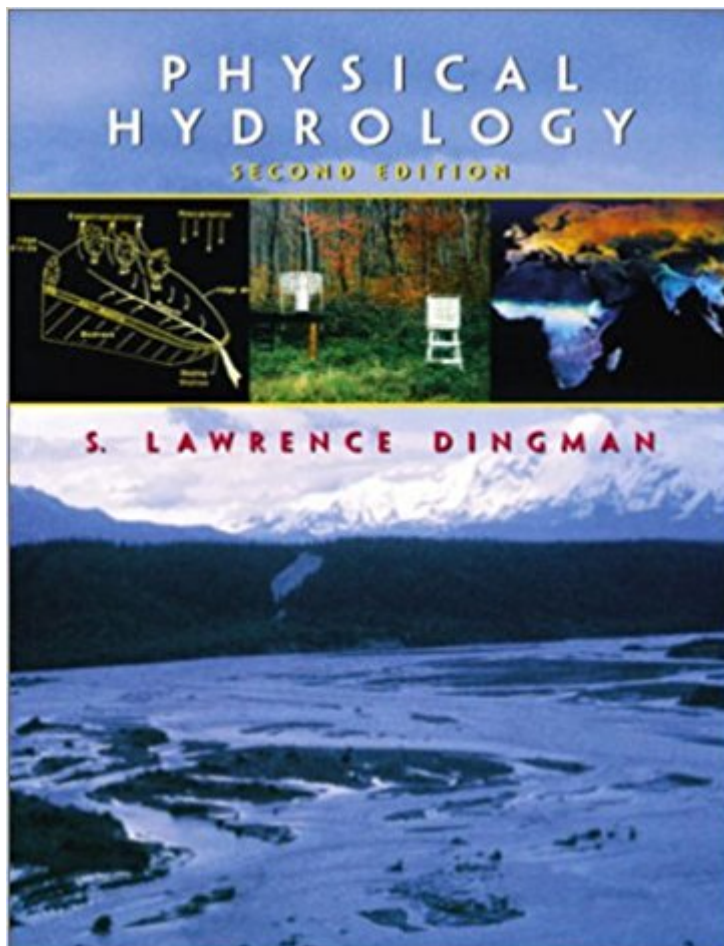




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# Physical Hydrology (2nd Edition)



## Synopsis

This book combines a qualitative, conceptual understanding of hydrologic processes, an introduction to the quantitative representation of those processes and an understanding of approaches to hydrological measurements and the uncertainties involved in those measurements. Numerous worked examples and exercises are included throughout to help assimilate concepts, consider implications of relations developed in the book, and apply concepts to local conditions. This book provides an introduction to hydrological science and its concepts including Climate, the Hydrologic Cycle, Soils and Vegetation, Precipitation, Snow and Snowmelt, Water in Soils: Infiltration and Redistribution, Evapotranspiration, Ground Water in the Hydrological Cycle, Stream Response to Water-Input Events, Hydrology and Water-Resource Management. Suitable as a reference work for professionals already working in the field. It can also serve as a comprehensive, readily understood introduction to hydrology for professionals in related fields.

## Book Information

Hardcover: 600 pages

Publisher: Prentice Hall; 2 edition (January 15, 2002)

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Product Dimensions: 8.2 x 1.2 x 10.1 inches

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Average Customer Review: 3.6 out of 5 stars 16 customer reviews

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## Customer Reviews

"This certainly should be on the bookshelf of any student who plans a career in hydrology. The book sets standards for balancing theoretical depth and breadth of applications and universally fits the needs of engineers, scientists, and water management specialists." --Vitaly Zlotnik, University of Nebraska  
"Excellent in all respects." --Richard A. Marston, Kansas State University  
"This is one of the most well-written hydrology texts I have come across. The concepts are well laid and backed up with good quantitative approaches." --Joseph Zume, Shippensburg University  
--This text refers to an

out of print or unavailable edition of this title.

Titles of related interest also from Waveland Press: Chapra, Surface Water-Quality Modeling (ISBN 9781577666059); Fetter, Contaminant Hydrogeology, Second Edition (ISBN 9781577665830) and Gupta, Hydrology and Hydraulic Systems, Third Edition (ISBN 9781577664550). --This text refers to an out of print or unavailable edition of this title.

I'm currently a student using this book in a 400-level hydrology course. This is quite possibly the worst textbook I have encountered in my academic career. It somehow manages to make even simple material that I already kind of know very difficult to understand. The writing style is very pompous and generally otherwise inaccessible. Variables used in equations are either not well-defined or used inconsistently. Examples, for lack of a better word, suck. Figures are confusing rendered. Organization is terrible. All in all, a fairly good textbook example of how not to write a textbook.

Physical Hydrology is okay. It was required for one of my classes, but I honestly did not use it very much except for when it came to homework problems. The text was difficult to read and understand at times (especially for me since I'm just an undergrad), and like others mentioned, the equations could have used further discussion rather than just listing the variables. It's not my favorite book but I am keeping it as a possible reference in the future. If you're looking at this book for pure pleasure or reference, I'd suggest looking at something a little easier to read.

Great book, the bible of hydrology

College book for my son. Don't really have any opinion of it.

This book does a very good job and explaining the math behind the concepts. It fails to explain the concepts. It comes with a CD that had a huge assortment of problems and examples, so I recommend getting the CD. Overall, I was impressed with the book, but keep your calculator handy.

This book is amazing. It helps me to learn the hydrology process from both global and regional viewpoints. It is definitely a foundation textbook for my research works on hydrology data mining.

Took too long

The CD is attached to the CD cover in the back of the book, there is no way to rip the CD out. The book is nice.

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