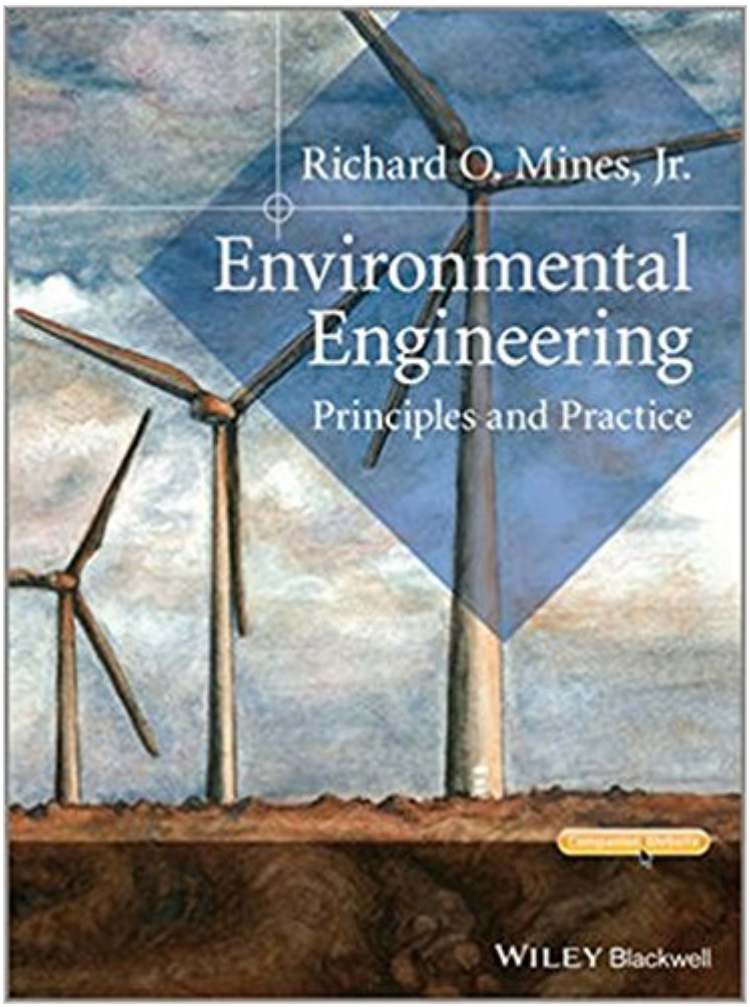
Environmental Engineering: Principles And Practice (CourseSmart)



Synopsis

Environmental Engineering: Principles and Practice is written for advanced undergraduate and first-semester graduate courses in the subject. The text provides a clear and concise understanding of the major topic areas facing environmental professionals. For each topic, the theoretical principles are introduced, followed by numerous examples illustrating the process design approach. Practical, methodical and functional, this exciting new text provides knowledge and background, as well as opportunities for application, through problems and examples that facilitate understanding. Students pursuing the civil and environmental engineering curriculum will fi nd this book accessible and will benefit from the emphasis on practical application. The text will also be of interest to students of chemical and mechanical engineering, where several environmental concepts are of interest, especially those on water and wastewater treatment, air pollution, and sustainability. Practicing engineers will find this book a valuable resource, since it covers the major environmental topics and provides numerous step-by-step examples to facilitate learning and problem-solving. Environmental Engineering: Principles and Practice offers all the major topics, with a focus upon: â ¢ a robust problem-solving scheme introducing statistical analysis; â ¢ example problems with both US and SI units; â ¢ water and wastewater design; â ¢ sustainability; â ¢ public health. There is also a companion website with illustrations, problems and solutions.

Book Information

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Customer Reviews

â œIn summary, this textbook on Environmental Engineering: Principles and Practice can be

recommended to all teachers with responsibility in environmental engineering. It focuses upon problem solving, introducing statistical analysis, examples with US and SI units, water and wastewater treatment design, sustainability, public health. It offers all major topics of an US environmental engineering curriculum with clear preference for wide-ranging knowledge on the one hand, water treatment on the other.â •Â (International Journal of Environment & Pollution, 1 June 2014)

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Well-written and pretty easy to follow. Definitely high praise for an engineering textbook. But the 1st Edition really could use a hard edit. Many typos throughout, some of which muddled up formulas and example problems. I'm sure by the 2nd Edition they will be taken care of -- I know my professor (and surely others as well) sent in a number of edits as we were using it, so once that comes out I'm definitely considering purchasing it for reference.

I love the book. It covers many topics in environmental engineering, has lots of solved problems, and has neat pictures.

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