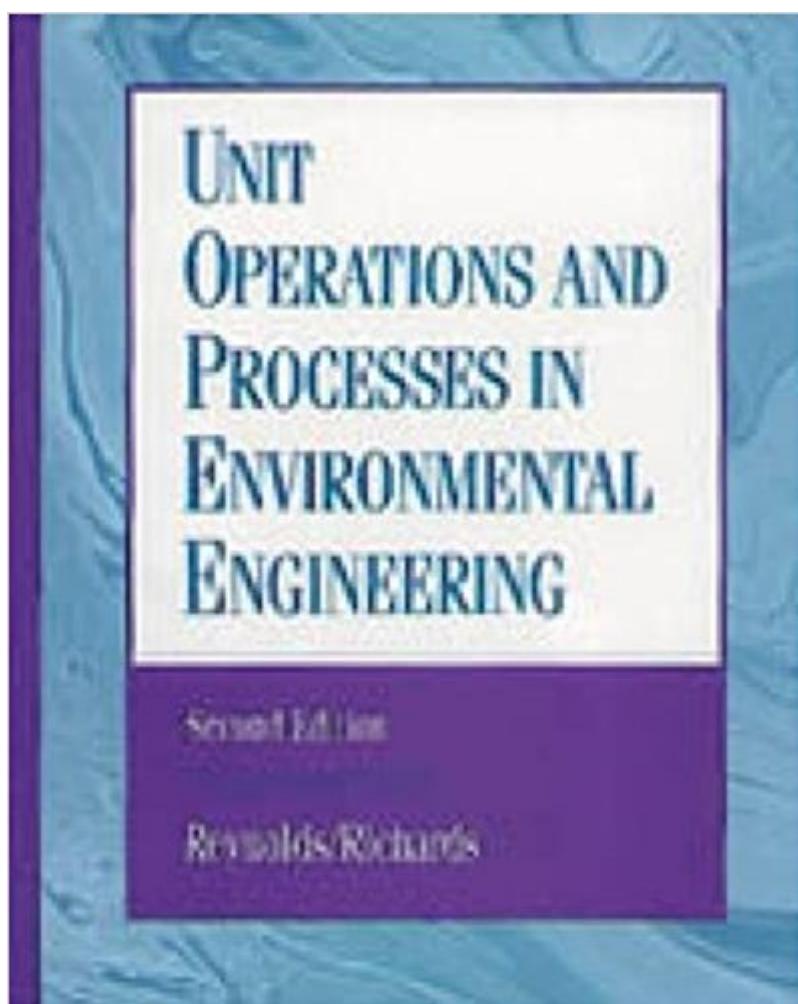


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# Unit Operations And Processes In Environmental Engineering, Second Edition



## **Synopsis**

The text is written for both Civil and Environmental Engineering students enrolled in Wastewater Engineering courses, and for Chemical Engineering students enrolled in Unit Processes or Transport Phenomena courses. It is oriented toward engineering design based on fundamentals. The presentation allows the instructor to select chapters or parts of chapters in any sequence desired.

## **Book Information**

Hardcover: 816 pages

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Average Customer Review: 4.1 out of 5 stars 14 customer reviews

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## **Customer Reviews**

1. Chemical Concepts
2. Biological Concepts
3. Mass Balances, Flow Models, and Reactors
4. Water Quantities and Water Quality
5. Wastewater Quantities and Wastewater Quality
6. Water and Wastewater Treatment Plants
7. Preliminary Unit Operations and Processes
8. Coagulation and Flocculation
9. Sedimentation
10. Filtration
11. Ammonia Removal
12. Adsorption
13. Ion Exchange
14. Membrane Processes
15. Activated Sludge
16. Oxygen Transfer and Mixing
17. Trickling Filters and Rotary Biological Contactors
18. Stabilization Ponds and Aerated Lagoons
19. Anaerobic Digestion
20. Aerobic Digestion
21. Solids Handling
22. Land Treatment of Municipal Wastewater and Sludges
23. Other Unit Operations and Processes
24. Disinfection Appendices / Glossary / Answers to Selected problems / Index

The second edition of this best-selling book provides thorough, updated coverage of unit operations in water/wastewater treatment. Chapter 1 through 5 now provide a strong background in chemical

and biological concepts, reactor fundamentals, and other key process. Subsequent chapters present a practical approach to the design of water and wastewater treatment plants, carefully explaining new technologies that affect the design of such facilities. New problems and worked examples have been developed to give readers a greater practical understanding of unit operations.

This is possibly one of the worst texts I have ever used. Many of the example problems contain typos or diagrams that do not match the given problem. Numbers are often pulled out of thin air without explanation. Many of the "answers" in the back of the text are incorrect. Some chapter problems cover material not covered in the chapters. Additionally, the solutions provided by the publisher are often incorrect. This textbook needs a significant overhaul before it can be considered appropriate for use in undergraduate or graduate programs!!

Poorly written, hard to follow examples, but okay for an economical undergrad student looking for a single book to cover water and wastewater treatment.

Arrived as expected

It is a rather complete book on the subject. Its content is appropriate for an undergraduate course in Environmental Engineering. It has one important deficit: most of the mathematical equations are not fully derived and the student will have to resort to other books to have a better understanding of what she/he is applying in solving a problem.

Simple book. Some difficult subjects but after a while they are easy to understand. Better price on than at school book stores.

really help.thank you

The quality is so so, pages are looser and turn to yellow color .Few hand cards in it...But it also useful !

the book is hard cover and much cheaper than bookstore. but the content of the book is not very detailed

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