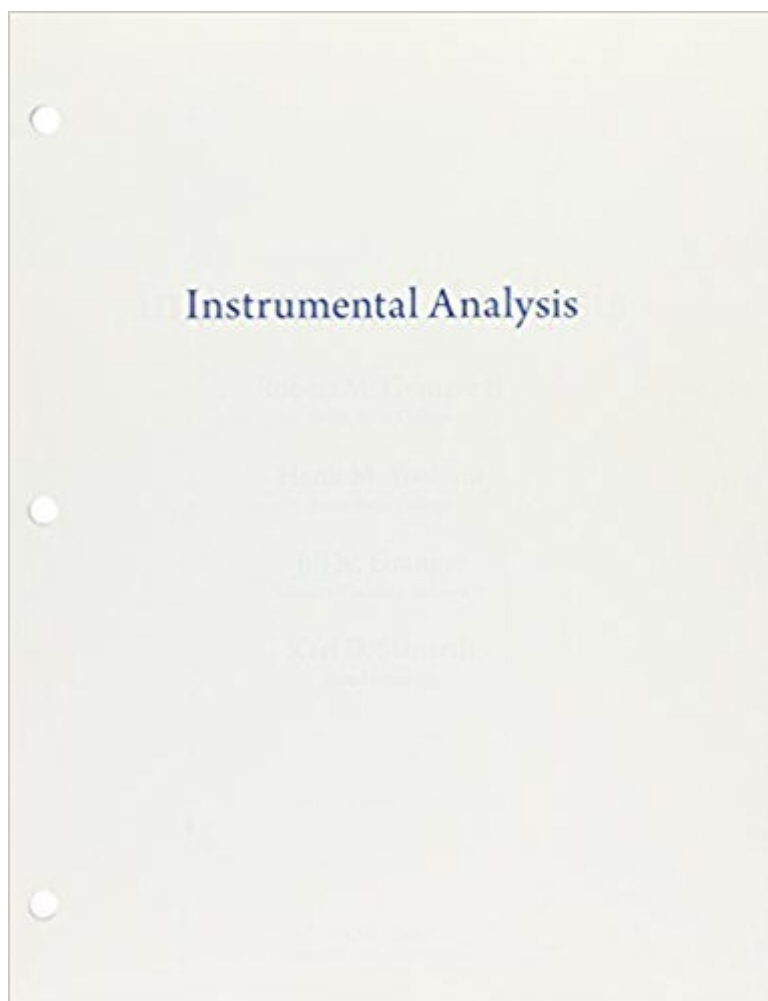


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Instrumental Analysis: Revised Edition



Synopsis

Instrumental Analysis provides a rigorous, modern, and engaging coverage of chemical instrumentation, written with the undergraduate student in mind. At its core, Instrumental Analysis includes the underlying theory, instrumental design, applications and operation of spectroscopic, electroanalytical, chromatographic, and mass spectral instrumentation. It provides students with the requisite skills to identify the comparative advantages and disadvantages in choosing one analytical technique over another by combining direct comparisons of the techniques with a discussion of how these choices affect the interpretation of the data in its final form.

Book Information

Hardcover: 880 pages

Publisher: Oxford University Press; 1 edition (July 15, 2016)

Language: English

ISBN-10: 0190638877

ISBN-13: 978-0190638870

Product Dimensions: 11 x 1.2 x 8.5 inches

Shipping Weight: 4.4 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #752,502 in Books (See Top 100 in Books) #82 in [Books > Science & Math > Experiments, Instruments & Measurement > Scientific Instruments](#) #220 in [Books > Science & Math > Chemistry > Analytic](#) #2308 in [Books > Science & Math > Chemistry > General & Reference](#)

Customer Reviews

I like this book's simplicity and the way it addresses its audience of predominantly undergraduate students. The key concepts were presented seamlessly with related topics for typical one-semester undergraduate instrumental analysis courses.--Dan Sykes, Pennsylvania State University
Instrumental Analysis is a much-needed introductory undergraduate textbook. It provides sufficient introductory information for undergraduates along with crucial emphasis on microscale, nano, portable, and other new instrumentation. This text covers everything, the organization is clear, and the writing is easy to understand.--Tami Lasseter Clare, Portland State University

Robert M. Granger II is Chair and Professor of Chemistry at Sweet Briar College. Hank M. Yochum is Professor of Physics and Engineering and Director of the Margaret Jones Wyllie '45 Engineering

Program at Sweet Briar College. Jill N. Granger is Dean of the Honors College at Western Carolina University. Karl D. Siennerth is Chair and Professor of Chemistry at Elon University.

I had high hopes for this book. The classic text on this subject, Skoog's Principles of Instrumental Analysis, has gotten unjustifiably expensive (\$435). Granger's book reads well and has about the right depth and breadth of topic coverage. It's reasonably priced. That's as far as I can go with positives. There are frequent errors, some of them very significant. I've had to make up my own errata for my students, and it expands every week. The publisher supplied a solutions guide, but the answers are more often wrong than right. Whoever wrote the guide frankly doesn't know what they're doing. There are frequent mathematical errors, and the concept of units seems foreign. One question I just looked at asks for an answer in units of nm, but the solution guide gives it as 0.015 um. It's not just the units that are wrong, the right answer is 3 nm. That said, now that I've put all the effort into correcting errors and making up my own solution guide, I may stick with this book next year to save my students the about \$300 price difference between this and Skoog's book, but I won't be happy about it.

give my parents , arrive on time. I got it in the mail and it came in a nice case which I enjoyed. I love the feel and how heavy it is. When I got it, I immediately washed it and tested it out and it cut through some peppers like butter. I really liked it. Very well. professional service.

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