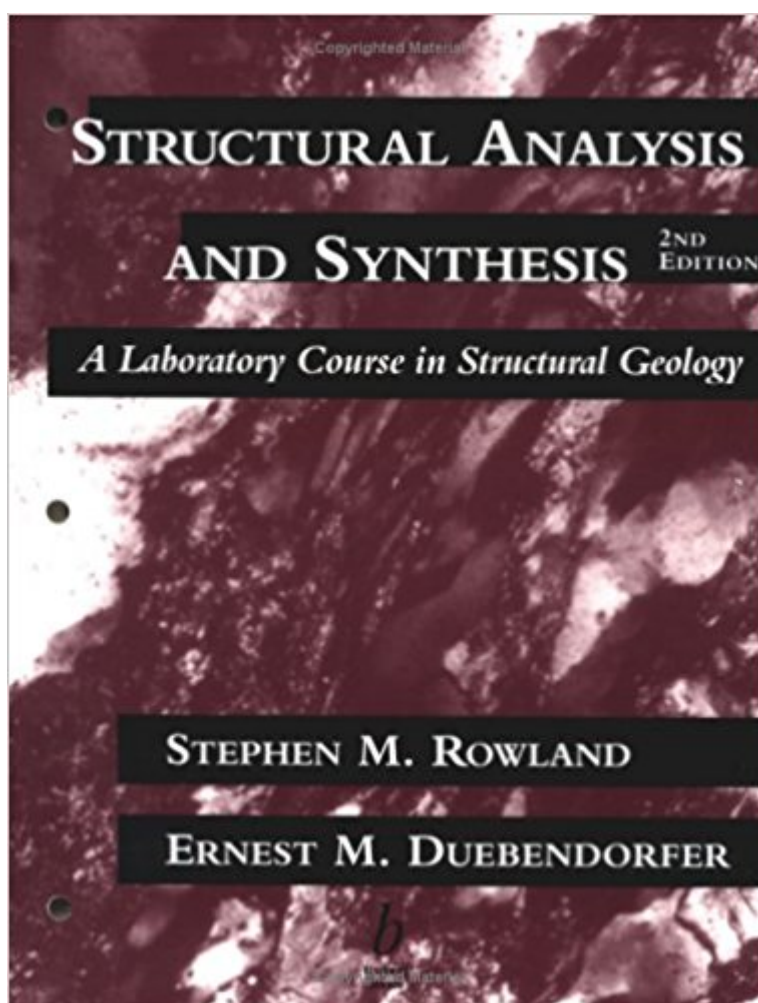


The book was found

# Structural Analysis And Synthesis: A Laboratory Course In Structural Geology, 2nd Edition



## Synopsis

This instructive, engaging, highly readable manual is intended for the laboratory portion of an undergraduate course in structural geology. Guided by students' and instructors' suggestions, Dr Stephen Rowland and his new co-author, Dr Ernest Duebendorfer, have refined various exercises for the second edition, and have added discussions of numerous topics, including axial planar foliations and the dip isogon methods of fold classification. There are also three new chapters on: balanced cross sections; deformation mechanisms, fault kinematics and microstructures; and plate tectonics.

## Book Information

Paperback: 279 pages

Publisher: Wiley; 2nd edition (January 15, 1994)

Language: English

ISBN-10: 0865423660

ISBN-13: 978-0865423664

Product Dimensions: 8.4 x 0.7 x 11.2 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars 30 customer reviews

Best Sellers Rank: #1,205,777 in Books (See Top 100 in Books) #25 in Books > Science & Math > Earth Sciences > Geology > Structural #3040 in Books > Textbooks > Science & Mathematics > Earth Sciences

## Customer Reviews

Praise for Rowlands's Structural Analysis and Synthesis 1e: "Laboratory exercises using progressively more complicated geologic maps of mythical terrains have been a feature of my introductory structural geology course for years. I was, therefore, quite intrigued by Stephen Rowland's laboratory manual that takes this strategy a step further by progressively analysing a single geologic terrain...[I] appreciate the manual's clearly organized and balanced presentation of topics and its exercises that involved the progressive analysis and written synthesis of a single map area. The text has been popular with my students. I would recommend it to any instructor who emphasizes the interpretation of geologic maps in their introductory structural geology course."  
Journal of Structural Geology

This widely used, highly readable introduction to structural analysis is specifically designed to

support the laboratory work of undergraduates in structural geology courses. Throughout the book, a geologic map from a mythical site, the Bree Creek Quadrangle, is used to help students analyze various aspects of the geologic structures exposed within this quadrangle, and ultimately to combine these analyzes into a grand synthesis. Guided by students's and instructors's suggestions, the authors have refined several exercises and added new ones for this third edition. In addition, every figure has been redrafted to improve clarity, and the Bree Creek Quadrangle map has been compiled onto a single fold-out sheet. An instructor's manual is available on request from the publisher to assist the laboratory instructor in the use of the book. --This text refers to the Spiral-bound edition.

Awful lab book. Incredibly simple examples of problems are given, then difficult and seemingly unrelated actual problems are given to work, with no instruction as to how to solve them. Imagine a 1st grade teacher teaching her class to add... $2+2 = 4$ . Then she hands her students worksheets full of linear algebra equations. That's basically this book. No explanations, no further instruction.... Google and Youtube have been better structural manuals for me than this book.

Tough book but an even tougher subject. Most of writing is dry and sometimes hard to follow. Diagrams and picture are the most helpful part of the book.

I HATE this book. This class is already most of geology student's biggest dreads but having a good textbook can make a world of a difference. Not the case here my geo friends. The layout is terrible. Want to look at a figure a paragraph just mentioned? You'd think you'd just look at the same page. NOPE. It's almost always on a different page that you need to constantly be turning to. Although some walk-throughs of example problems were good others sometimes made no sense. But since this is required reading just click add to card and learn some meditation techniques. You will need it!

This lab manual is great, however be prepared from a lot of confusing and problematic problems. Several answers are wrong and several of their versions of cross sections don't make any geologic sense. Some of the examples leave you questioning what to do next. It does have a lot of good information and is mostly easy to use. It helps you understand some concepts in your structural class. The map is just silly and some of it is wrong. But, once you learn where the mistakes are you can work through them in the right way. Doesn't go over stereonet as well as I would have liked, but other than that, it was an ok lab manual. Pencil doesn't work so well on the pages, use pen.

I thought this book would be an interesting lab book for my Structural Geology class. It has quality lab ideas in it; but the instructions on how to do them are HORRIBLE!! The instructions are often not clear and seeing as our professor didn't give us any insight either; we were left to figure it out on our own. I love the subject and figured most of them out on my own, but I would not recommend this book to one single other person.

Explains nothing. You might be able to figure it out if you are already a geologist, but then you wouldn't need this book would you? The book lacks examples equal to the problems it gives, and the examples it does have are not clear. I learned very little from the book.

I hate this manual.... It's rife with mistakes and gives crappy instruction. Some exercises are impractical while others impossible for a lab setting. It gets an extra star for LOTR references.

This is easily the worst, most convoluted geology lab manual I have ever had the misfortune of being assigned. If you are taking structural geology and this manual is forced on you, good luck, you're gonna need it.

[Download to continue reading...](#)

Structural Analysis and Synthesis: A Laboratory Course in Structural Geology, 2nd Edition  
Structural Analysis and Synthesis: A Laboratory Course in Structural Geology 3rd (third) edition by Rowland, Stehen M., Duebendorfer, Ernest M., Schiefelbein, I published by Wiley-Blackwell (2007)  
[Spiral-bound] Structural Analysis and Synthesis: A Laboratory Course in Structural Geology The Techniques of Modern Structural Geology, Volume 3: Applications of Continuum Mechanics in Structural Geology  
Geology for beginners: Easy course for understanding geology (Geology explained ) Handbook of Reagents for Organic Synthesis: Reagents for Heteroarene Synthesis (Hdbk of Reagents for Organic Synthesis)  
Geology of the Baraboo district, Wisconsin;: A description and field guide incorporating structural analysis of the Precambrian rocks and ... Extension. Information circular, no. 14) Pore Pressure: Fundamentals, General Ramifications and Implications for Structural Geology - AAPG Continuing Education Course Note Series #4 Structural Geology of Rocks and Regions, 2nd Edition Earth Structure: An Introduction to Structural Geology and Tectonics:2nd (Second) edition Structural Geology: Principles Concepts and Problems (2nd Edition) Techniques of Modern Structural Geology, Volume 1 Strain Analysis Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B Clinical Laboratory Chemistry (2nd

Edition) (Pearson Clinical Laboratory Science Series) Landmarking and Segmentation of 3D CT Images (Synthesis Lectures on Biomedical Engineering Synthesis Lectu) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) The Nuclear Overhauser Effect in Structural and Conformational Analysis, 2nd Edition Geology of the USSR: A Plate-Tectonic Synthesis (Geodynamics Series) Multiscale Operational Organic Chemistry: A Problem Solving Approach to the Laboratory Course, 2nd Edition Polymer Synthesis and Characterization: A Laboratory Manual

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)