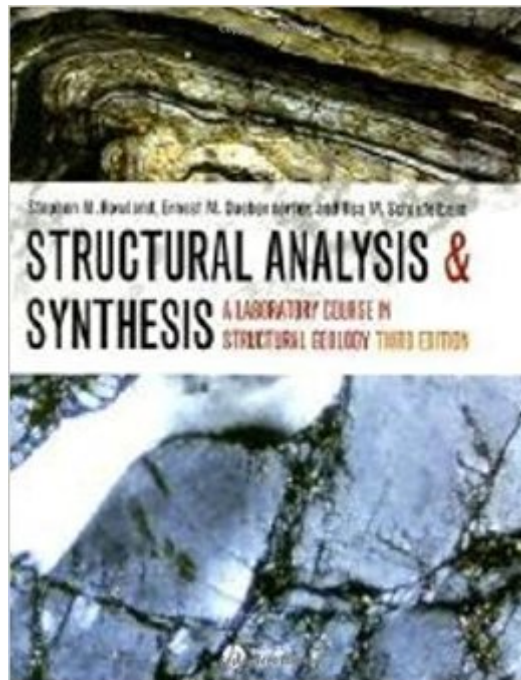


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# Structural Analysis And Synthesis: A Laboratory Course In Structural Geology



## Synopsis

This widely used, highly readable introduction to structural analysis is specifically designed to support the laboratory work of undergraduates in structural geology courses. The new third edition includes: New and amended exercises and redrafted figures to improve clarity A single fold-out map of the Bree Creek Quadrangle – a mythical site used to help students analyze various aspects of the geologic structures exposed within this quadrangle and ultimately to develop a grand synthesis A user-friendly spiral binding ideal for work in the lab or out in the field An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at [HigherEducation@wiley.com](mailto:HigherEducation@wiley.com) for more information.

## Book Information

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## Customer Reviews

BAD. I had to use this for lab this quarter. The problems were on one page, the information and maps to work it were sometimes two pages prior to, or after it. Bad layout. Far too much page flipping. This book also didn't give very good examples, in such that they would give a very elementary example, and give significantly more complex problems to work, without any farther explanation. This area of Geology is difficult enough for us poor undergrads coming up without having this book to throw us off track.

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.

Anyone who loves geology and wants to continue liking it, stay away from this book! Instead of helping you build concepts it will leave you solving poorly devised problem sets that are extremely frustrating to solve. Usually textbooks are good at explaining things but unfortunately not this one. I had to resort to online tutorials and YouTube videos to understand this course. Horrible book!

This lab manual was required for our structural geology course given at the California State University, Dominguez Hills. In general, the book is not well laid out and there are too few problems to work. In order to become proficient one must work many types of problems. The author does not give enough examples of how to solve problems using both graphical then mathematical techniques. For example, a three-point problem can be solved by graphical or mathematical methods. Additionally, the book requires the reader to move between pages to extract the necessary information to solve a problem. This makes the book appear vague or confusing at times. The book is weak in areas that are of prime importance to geologists such as 3 point problems, thickness problems, outcrop patterns, etc. These areas are important because they are used regularly in the interpretation of geology. Additionally, these problems are also found on many Registered Geology examination given by various states.

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.

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.

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 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.

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