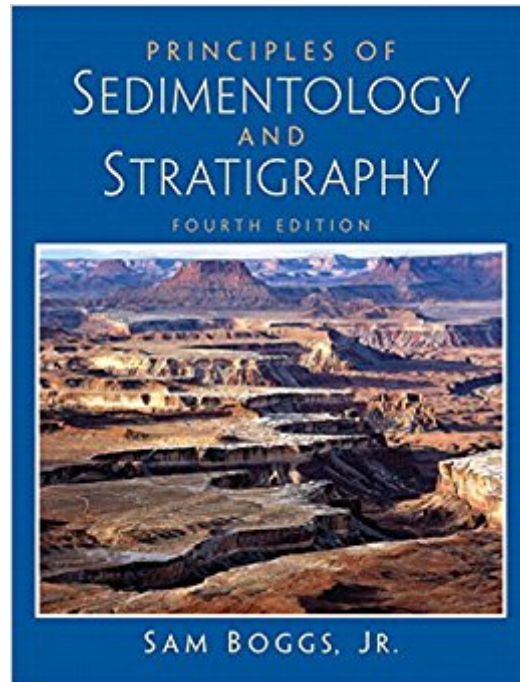




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Principles Of Sedimentology And Stratigraphy (4th Edition)



Synopsis

A concise treatment of the fundamental principles of sedimentology and stratigraphy, featuring the important physical, chemical, biological and stratigraphic characteristics of sedimentary rocks. Emphasized are the ways in which the study of sedimentary rocks is used to interpret depositional environments, changes in ancient sea level, and other intriguing aspects of Earth history. Topics include the origin and transport of sedimentary materials; physical properties of sedimentary rocks; composition, classification and diagenesis of sedimentary rocks and principles of stratigraphy and basin analysis. For individuals interested in one text providing comprehensive coverage of both sedimentology and stratigraphy.

Book Information

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Customer Reviews

I have this book (5th, international edn, paperback) for an undergraduate course in sedimentary geology. It has good information and covers plenty of ground, more than enough for a one semester course on the subject. The chapter by chapter breakdown is pretty good too, following a logical ordering. However if you aren't passionate about your geology, you'll probably find it quite dry as its certainly not an engaging book. There are also some major drawbacks for using it as an undergraduate text. No end of chapter summary, review questions, or problems. This is where the book really fails. There's no mechanism to consolidate what one is learning by way of making the reader think about the material. It offers only a passive learning experience and that's not an effective method of teaching. If you're lucky your lecturer will fill this gap with their own questions sets. I was not so lucky. No glossary. Given that geology is full of domain specific jargon (and this

book is no exception), it is reasonable to expect a glossary. In particular, I found myself looking things up on the web with great regularity (many times per page for some chapters). The language used in the book indicates the author is out of touch with an undergraduate's geological vocabulary. And in cases where terms are defined, it's often 2-3 pages after the first usage! There were times when the author used common words in a domain specific context with which I was not familiar. Searching the web for the terms yielded nothing useful, I was left scratching my head and simply had to move on. The index is largely sorted by topic. E.g. There is no entry for ooids, one needs to look up "Carbonate sedimentary rocks", under which there is a long list of rocks.

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