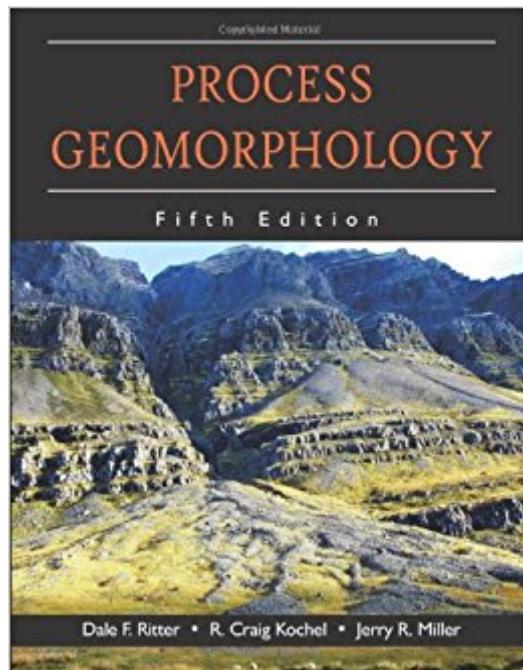


The book was found

Process Geomorphology



Synopsis

The twenty-first century offers distinct challenges to the geosciences. Today's geomorphologist must interact with and decipher problems that face hydrologists, engineers, geologists, pedologists, foresters, and many others. The bond that unites geomorphology with so many diverse disciplines is the common need to understand the processes of surface mechanics, which is exceedingly important as we struggle to comprehend the impacts of climate changes, tectonic events, and their effects on our physical environment. While maintaining the introductory yet applied focus of previous editions, the authors have mined the most current research and data for the fifth edition. A wealth of new photos and figures augment and add depth to each field, providing an expansive base for students to build upon. A detailed bibliography enhances the further study of any topic of interest.

Book Information

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Customer Reviews

I am currently teaching a university level geomorphology course using this text and find myself constantly wishing I had chosen another. I have five primary complaints about the book. 1) Some of the tools required to make a book like this one truly useful are simply missing or inadequate. Geomorphology is a terminology-laden science, and the lack of a glossary is a very significant shortcoming of the book. A good glossary - one including page references to detailed explanations/descriptions in the text would greatly increase the value of the book. The index is also deficient. In preparation for the course I began by creating several exercises that I definitely wanted to use, and in more than one case couldn't find an index reference to an important concept or term. However, in scanning the appropriate chapter the item is not only included but given considerable

treatment. One example may help to make the point. The Hjulstrom diagram is the most accessible tool for students to relate current velocity to transported particle size despite the date of Hjulstrom's original work (1939). Hjulstrom is not included in the index though his 1939 paper is included in the list of references, and the diagram is included in the text.² Overall the book (fourth edition) has the appearance of a rough draft comprised of diagrams and pieces of text hurriedly cobbled together with emphasis on completeness rather than continuity, leaving need for a careful editing. As a result the text does not flow and explanations are sometimes so sketchy that someone not already familiar with the material will probably find it to be essentially unreadable.

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