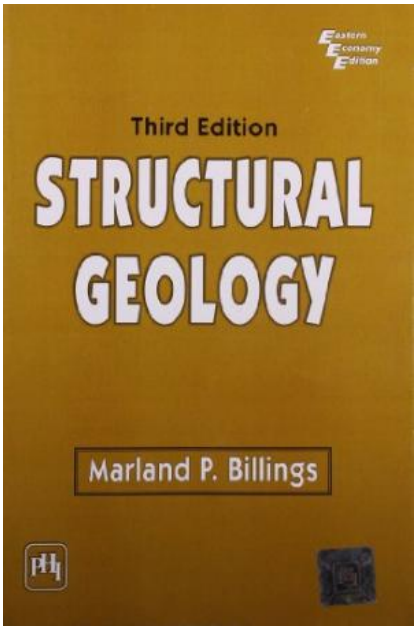

Structural Geology, Third Edition

By Marland P. Billings

PHI Learning, 2006. Softcover. Book Condition: New. 3rd edition. The primary objective of this book is to present the basic concepts of structural geology to undergraduate students. A comprehensive coverage of important topics, such as folding, joints, faults, diaperism, unconformities, impact structures, igneous rocks and geophysical methods essential for both the geologist and geophysicist is incorporated. Emphasis is laid on mathematical methods especially while dealing with mechanical principles, mechanics of folding, jointing, plastic deformations, and geophysical methods. Laboratory exercises encourage students to analyze geological problems in a wider perspective. References at the end of each chapter render the book useful to advanced reader also. Contents Structural Geology. Mechanical Principles. Description of Folds. Field Study of Folds. Office Techniques Used in Studying Folds. Mechanics and Causes of Folding. Joints. Description and Classification of Faults. Criteria for Faulting. Reserve Faults, Thrust Faults, and Overthrusts. Normal Faults. Strike-Slip Faults. Dating of Structural Events. Diapirs and Related Structural Features. Extrusive Igneous Rocks. Intrusive Igneous Rocks. Emplacement of Large Plutons. Cleavage and Schistosity. Secondary Lineation. Plastic Deformation. Impact Structures. Geophysical Methods in Structural Geology: Gravitational and Magnetic. Geophysical Methods in Structural Geology: Seismic and Thermal. Laboratory Exercises. Equal-Area Net. Index. Printed Pages: 624.

Reviews

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