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New Text-book of Geology

1883

the classic text for majors in physical geology courses

Earth

1986

earth is a very small part of a vast universe but it is our home it provides the resources that support our modern society and the ingredients necessary to maintain life knowledge of our physical environment is critical to our well being and vital to our survival a basic geology course can help a person gain such an understanding it can also take advantage of the interest and curiosity many of us have about our planet its landscapes and the processes that create and alter them the 4th canadian edition of earth an introduction to physical geology like its predecessors is a college level text that is intended to be a meaningful non technical survey for students taking their first course in geology in addition to being informative and up to date a major goal of earth is to meet the need of students for a readable and user friendly text a book that is a highly usable tool for learning the basic principles and concepts of geology

Laboratory Manual for Introductory Geology (Fourth Edition)

2018

the fourth edition of geology for engineers and environmental scientists provides students with a basic foundation in the principles of geology along with an illustration of how engineers must design and build their projects with natural geologic materials and protect them from potentially hazardous geologic processes kehew introduces engineering topics including soil and rock mechanics with a quantitative approach that will give students a head start in more advanced engineering courses the book is prefaced with a discussion of engineering and environmental challenges that our society must face in the current century such as population growth scarcity of water and mineral resources transition to renewable energy and effects of climate change numerous examples of engineering and environmental applications ranging from short descriptions to extensive case histories such as the big dig in boston to the effects of hurricane katrina and reconstruction afterward are included in every chapter a full chapter is devoted to subsurface contamination and cleanup technologies for the first time a large color insert will highlight geological features in the field

Outlines of Geology

1941

note if you are purchasing an electronic version masteringgeology does not come automatically with it to purchase masteringgeology please visit masteringgeology.com or you can purchase a package of the physical text and masteringgeology by searching for isbn 0321937015 this trusted text the market s best seller makes an often complex subject accessible to beginning students with a strong focus on readability and illustrations it offers a

meaningful non technical survey that is informative and up to date for learning basic geological principles and concepts the fourth canadian edition of earth is a robust revision with each part of the book being examined carefully with the goals of keeping topics current addressing canadian perspectives and issues and improving the clarity of text discussions and visuals

Earth

2014-10-20

the authority of the 4th edition like that of its predecessors rests on the nearly 100 experts who have reviewed definitions added new terms and cited references with an expanded reference section and numerous aids to pronunciation the 4th edition is the quintessential reference work for professional geoscientists and students alike new entries are especially numerous in the fields of carbonate sedimentology mineralogy and crystallography coastal geology plate tectonics snow and ice geophysics economic geology remote sensing and geographic information systems engineering and environmental geology and stratigraphic nomenclature

Geology for Engineers and Environmental Scientists

2021-12-29

essentials of geology fourth edition is a shorter version of the authors physical geology exploring the earth fifth edition text in the same tradition the authors present the content and material in a clear consistent voice focusing on plate tectonics in the first two chapters and offering more material on earth history than other texts in the market the authors also draw the student into physical geology by providing engaging examples as can be seen in the cultural connection boxes a new pedagogical feature in this edition chapter opener objectives are now numbered so that students can easily recognize the crucial points of the chapter while reading and then they are numbered again in the chapter summary for review the fourth edition has numerous new photos that will be of interest to faculty and students alike and offers a new online student tutorial called geologynow geologynow is the first assessment centered student tutorial technology developed for the geology market the seamless integration of geologynow with chapter concepts emphasizes the connections between the content and students own lives through visual 3 d animations and chapter quizzes in order to develop a greater appreciation for physical geology important notice media content referenced within the product description or the product text may not be available in the ebook version

Earth

2014-04-02

addressed to the undergraduate and postgraduate students pursuing studies in the broad interdisciplinary field of earth science this thoroughly revised book in its fourth edition is aimed at facilitating the comprehension between the pre planetary history and the subsequent geological processes of the earth system this is done keeping in mind the current interest in exoplanets and the evolution of the life supporting crustal composition of the earth much different from that of the other planets in terms of the earth s internal heat density distribution and the strong magnetic field due to the dominant presence of metallic fe in its core the new edition draws the attention of the reader to the different surface gravity features and the internal compositional structures of the earth moon and the sun acquired during the hadean examples of lithospheric movements rifting subduction and the continued

mantle crust interaction from indian and southeast asian geology would bring the readers close to interlinking these tectonic processes to the genesis of igneous sedimentary and metamorphic rocks as well as to the episodes of mineralizations emphasizing these dynamic processes the text focuses on the constitution of oceans the causes of mass extinctions and the evolution of life forms the biogeochemical cycles of elements and also on the life protecting ozone layer of the stratosphere all unique to the earth system the student is sensitized towards the natural hazards of frequent volcanic eruptions earthquakes tsunamis floods and climate change besides explicating the threats posed by global warming atmospheric and hydrosphere pollution caused by the industrial emanations and indiscrete waste disposal key features each chapter is replete with examples illustrations tables and figures to make reading more fruitful and enriching chapter end summary helps in recapitulation of the concepts discussed additional reading provided at the end of each chapter directs the readers to the vast source of information new to the fourth edition considering the growing global interest in locating a habitable exoplanet like the earth and in exploring the moon and the mars the present edition thoroughly updates the information about the geochemical processes unique to the earth system that gave rise to the life supportive crust oceans and the atmosphere the role played by plate tectonics in forming the igneous sedimentary and metamorphic rocks mineral deposits and also in the evolution of life the geo environmental hazards of volcanic eruptions earthquakes floods tsunamis droughts and desertification the growing adoption of solar hydro wind and nuclear energy in power generation and in management of clean environment target audience m sc geology applied geology geoinformatics geophysics geochemistry geography earth science and environmental science b sc geology applied geology

Geology of New-York

1843

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Study Guide for Putnam's Geology

1982

the newly revised fourth edition of visualizing geology wileyplus nextgen card and loose leaf set single semester delivers an authoritative and thorough exploration of introductory earth system science and geology in the distinctive style of the wiley visualizing series students learn about the three grand geologic cycles tectonic rock and water and how they interact to create and shape the geologic features we see and experience this single semester loose leaf set includes access to the renowned wileyplus nextgen digital learning environment an indispensable pedagogical addition to any classroom

Glossary of Geology

2003-01-01

hydrogeology s importance has grown to become an integral part not only of geology curricula but also those in environmental science and engineering applied hydrogeology serves all these students presenting the subject s fundamental concepts in addition to its importance in other disciplines fetter

skillfully addresses both physical and chemical hydrogeology highlighting problem solving throughout the book case studies excel based projects and working student versions of software used by groundwater professionals supplement the fourth edition s insightful explanations and succinct solutions to real world challenges each chapter concludes with example problems a notation of symbols and informative analysis a glossary of hydrogeological terms adds significant value to this comprehensive text fetter s accessible coverage prepares readers for success in their careers well beyond the classroom

The Geoscience Handbook

2006

reprint of the original first published in 1872

Essentials of Geology

2005-03-08

the stability of rock slopes is an important issue in both civil and mining engineering on civil projects rock cuts must be safe from rock falls and large scale slope instability during both construction and operation in open pit mining where slope heights can be many hundreds of meters the economics of the operation are closely related to the steepest stable slope angle that can be mined this extensively updated version of the classic text rock slope engineering by hoek and bray deals comprehensively with the investigation design and operation of rock slopes investigation methods include the collection and interpretation of geological and groundwater data and determination of rock strength properties including the hoek brown rock mass strength criterion slope design methods include the theoretical basis for the design of plane wedge circular and toppling failures and design charts are provided to enable rapid checks of stability to be carried out new material contained in this book includes the latest developments in earthquake engineering related to slope stability probabilistic analysis numerical analysis blasting slope movement monitoring and stabilization methods the types of stabilization include rock anchors shotcrete drainage and scaling as well as rock fall protecting methods involving barriers ditches nets and sheds rock slopes civil and mining engineering contains both worked examples illustrating data interpretation and design methods and chapters on civil and mining case studies the case studies demonstrate the application of design methods to the construction of stable slopes in a wide variety of geological conditions the book provides over 300 carefully selected references for those who wish to study the subject in greater detail it also includes an introduction by dr evert hoek

British Regional Geology

1961

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1837

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1982

Instructor's Manual

1861

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1842

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1836

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1838

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2004-08-26

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1896

The Journal of Geology

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