

Krynine And Judd Engineering Geology

Engineering Geology and Construction
(nuclear Warfare and Chemical and Biological Operations).
FOUNDATION ENGINEERING
Legal Aspects of Geology
Safety of Existing Dams
Principles of Engineering Geology
Remote Sensing for Geologists
Geology, Soil and Rock Mechanics, and Other Earth Sciences as Uses in Civil Engineering
Technical Manual
Geology, Soil and Rock Mechanics, and Other Earth Sciences as Used in Civil Engineering
Geological Survey Water-supply Paper
Geology Applied to Engineering
A Guide to Image Interpretation
The Encyclopedia of Applied Geology
Engineering Geology
DRILLING ENGINEERING
Principles of Engineering Geology and Geotechnics
Practical Engineering Geology
Characteristics of Geologic Materials and Formations
Principles of engineering geology and geotechniques
TOWARDS ACHIEVING TOTAL SUSTAINABILITY
Evaluation and Improvement
A Geology for Engineers
Principles of Engineering Geology and Geotechnics: Geology, Soil and Rock Mecnamcs and Other Earth Sciences as Used in Civil Engineering
IPASS
GEOLOGY- Volume V
Engineering Geology
Principles of Engineering Geology and Geotechnics
Sourcebook on the Environment
A Guide to the Literature
Geology, Hydrology and Mineral Resources of Crystalline Rock Areas of the Lake Superior Region, United States
Military Protective Construction
Rock Mechanics and Engineering
Principales of Engineering Geology and Geotechnics
Geology: A Complete Introduction: Teach Yourself
Engineering Geology and Construction
TM.
an interactive policy analysis simulation system
ENGINEERING GEOLOGY FOR CIVIL ENGINEERS

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JOVANI DAYTON

Engineering Geology and Construction CRC Press

In this second, enlarged edition the author continues to emphasise aspects of rock mechanics. Firm in his belief that there is no better way to study the subject than by the detailed analysis of case histories, Dr Jaeger has incorporated a number of new ones.

(*nuclear Warfare and Chemical and Biological Operations*). Principles of Engineering Geology and Geotechnics Principles of Engineering Geology and Geotechnics Geology, Soil and Rock Mechanics, and Other Earth Sciences as Used in Civil Engineering

Written by civil engineers, dam safety officials, dam owners, geologists, hydraulic engineers, and risk analysts, this handbook is the first cooperative attempt to provide practical solutions to dam problems within the financial constraints faced by dam owners. It provides hands-on information for identifying and remedying common defects in concrete and masonry dams, embankment dams, reservoirs, and related structures. It also includes procedures for monitoring dams and collecting and analyzing data. Case histories demonstrate economical solutions to specific problems.

FOUNDATION ENGINEERING National Academies Press

The Encyclopedia of Applied Geology is an international compendium of engineering geology topics prepared by experts from many countries. The volume contains more than eighty main entries in alphabetical order, dealing with hydrology, rock structure monitoring and soil mechanics in addition

to engineering geology. Special topics focus on earth science information and sources, electrokinetics, forensic geology, geocryology, nuclear plant siting, photogrammetry, tunnels and tunnelling, urban geomorphology and well data systems.

Legal Aspects of Geology McGraw-Hill College

Covers philosophies, perspectives, case studies, and environmental problems

Safety of Existing Dams PHI Learning Pvt. Ltd.

Steve Hencher presents a broad and fresh view on the importance of engineering geology to civil engineering projects. Practical Engineering Geology provides an introduction to the way that projects are managed, designed and constructed and the ways that the engineering geologist can contribute to cost-effective and safe project achievement. The nee

Principles of Engineering Geology NV Bureau of Mines & Geology

Geology is the Component of Encyclopedia of Earth and Atmospheric Sciences, in the global Encyclopedia of Life Support Systems (EOLSS)), which is an integrated compendium of twenty Encyclopedias. The theme on geology in the Encyclopedia of Earth and Atmospheric Sciences, presents many aspects of geology under the following nine different topics: The Organized Earth.; Tectonics and Geodynamics; Igneous and Metamorphic Petrology; Sedimentary Geology and Paleontology; Overview of the Mineralogical Sciences; Geology of Metallic and Non-Metallic Mineral Resources; Regional Geology; Geology of Petroleum, Gas, and Coal; Environmental and Engineering Geology.

Remote Sensing for Geologists CRC Press

Written by David Rothery, who is Professor of Planetary Geosciences at the Open University, *Geology: A Complete Introduction* is designed to give you everything you need to succeed, all in one place. It covers the key areas that students are expected to be confident in, outlining the basics in clear English, and then providing added-value features like a glossary of the essential jargon terms, links to useful websites, and even examples of questions you might be asked in a seminar or exam. The book uses a structure chosen to cover the essentials of most school and university courses on Geology. Topics covered include the Earth's structure, earthquakes, plate tectonics, volcanoes, igneous intrusions, metamorphism, weathering, erosion, deposition, deformation, physical resources, past life and fossils, the history of the Earth, Solar System geology, and geological fieldwork. There are useful appendices of minerals, rock names and geological time.

Geology, Soil and Rock Mechanics, and Other Earth Sciences as Uses in Civil Engineering CRC Press

Sustainable Oil and Gas Development Series: *Drilling Engineering* delivers research materials and emerging technologies that conform sustainability drilling criteria. Starting with ideal zero-waste solutions in drilling and long-term advantages, the reference discusses the sustainability approach through the use of non-linear solutions and works its way through the most conventional practices and procedures used today. Step-by-step formulations and examples are provided to demonstrate how to look at conventional practices versus sustainable approaches with eventually diverging towards a more sustainable alternative. Emerging technologies are covered and detailed sustainability analysis is included. Economic considerations, analysis, and long-term consequences, focusing on risk management round out the with conclusions and a extensive glossary. Sustainable Oil and Gas Development Series: *Drilling Engineering* gives today's petroleum and drilling engineers a guide how to analyze and evaluate their operations in a more environmentally-driven way. Proposes sustainable technical criteria and strategies for today's most common drilling practices such as horizontal drilling, managed pressure drilling, and unconventional shale activity Discusses economic benefits and development challenges to invest in environmentally-friendly operations Highlights the most recent research, analysis, and challenges that remain including global optimization

[Technical Manual](#) Elsevier

West purposely developed a versatile text for bridging the gap between geology and civil engineering that can be used in engineering geology courses taught by either geologists or engineers. Mindful that students enrolled in these courses have diverse backgrounds, the author provides basic information on minerals and rocks, geological processes, and geological investigation techniques. He addresses the relationship of physical aspects of geology to engineering construction and explains how to recognize and provide for geologic factors that affect the location, design, construction, and maintenance of engineering projects. Engineering applications throughout the text emphasize the direct association of geology and engineering, while sufficient depth in geologic subjects provides a working knowledge of applied geology. Exercises at the end of each chapter are designed for chapter review and problem solving. Some of the end-of-chapter exercises form the basis for laboratory studies on minerals, rocks, maps, geologic processes, and applied geology. Additional problem sets give students an opportunity to relate geologic detail to engineering construction. The liberal array of photos, maps, and diagrams provide extra detail to clarify new concepts.

Geology, Soil and Rock Mechanics, and Other Earth Sciences as Used in Civil Engineering CRC Press

The *Geotechnical Engineering Investigation Handbook* provides the tools necessary for fusing geological characterization and investigation with critical analysis for obtaining engineering design criteria. The second edition updates this pioneering reference for the 21st century, including developments that have occurred in the twenty years since the first edition was published, such as: • Remotely sensed satellite imagery • Global positioning systems (GPS) • Geophysical exploration • Cone penetrometer testing • Earthquake studies • Digitizing of data recording and retrieval • Field and laboratory testing and instrumentation • Use of the Internet for data retrieval The *Geotechnical Engineering Investigation Handbook, Second Edition* is a comprehensive guide to a complete investigation: study to predict geologic conditions; test-boring procedures; various geophysical methods and when each is appropriate; various methods to determine engineering properties of materials, both laboratory-based and in situ; and formulating design criteria based on the results of the analysis. The author relies on his 50+ years of professional experience, emphasizing identification and description of the elements of the geologic environment, the data required for analysis and design of the engineering works, and procuring the data. By using a practical approach to problem solving, this book helps engineers consider geological phenomena in terms of the degree of their hazard and the potential risk of their occurrence.

Geological Survey Water-supply Paper Waveland Press

Winner of the 2004 Claire P. Holdredge Award of the Association of Engineering Geologists (USA). The only book to concentrate on the relationship between geology and its implications for construction, this book covers the full scope of the subject from site investigation through to the complexities of reservoirs and dam sites. Features include inter

Geology Applied to Engineering Gulf Professional Publishing

Principles of Engineering Geology and Geotechnics Principles of Engineering Geology and Geotechnics Geology, Soil and Rock Mechanics, and Other Earth Sciences as Used in Civil Engineering McGraw-Hill College Principles of Engineering Geology and Geotechnics: Geology, Soil and Rock Mechanics and Other Earth Sciences as Used in Civil Engineering Principales of Engineering Geology and Geotechnics Geology, Soil and Rock Mechanics, and Other Earth Sciences as Uses in Civil Engineering Principles of Engineering Geology and Geotechnics: Geology Soil and Rock Mechanics and Other Earth Sciences as Used in Civil Engineering Principles of engineering geology and geotechniques geology, soil and rock mechanics, and other earth sciences as used in civil engineering Principles of Engineering Geology Springer Science & Business Media

[A Guide to Image Interpretation](#) University of Chicago Press

Geology is the science of earth's crust (lithosphere) consisting of rocks and soils. While mining and mineralogical engineers are more interested in rocks, their petrology (formation) and mineralogy, civil engineers are equally interested in soils and rocks, in their formations, and also in their properties for civil engineering design and construction. This book is so written that the subject can easily be taught by a civil engineering faculty member specialised in soil mechanics. Dexterously organized into four parts, this book in Part I (Chapters 1 to 11) deals with the formation of rocks and soils. The classification of soils, lake deposits, coastal deposits, wind deposits along with marshes and bogs are described in Part II (Chapters 12

to 20). As the book advances, it deals with the civil engineering problems connected with soils and rocks such as landslides, rock slides, mudflow, earthquakes, tsunami and other natural phenomena in Part III (Chapters 21 to 24). Finally, in Part IV (Chapters 25 to 30), this text discusses the allied subjects like the origin and nature of cyclones, rock mass classification and soil formation. Designed to serve as a textbook for the undergraduate students of civil engineering, this book is equally useful for the practising civil engineers. SALIENT FEATURES : Displays plenty of figures to clarify the concepts Includes chapter-end review exercises to enhance the problem-solving skills of the students Summary at the end of each chapter brings into focus the essence of the chapter Appendices at the end of the text supply extra information on important topics

[The Encyclopedia of Applied Geology](#) Teach Yourself

Properly understanding and characterizing geologic materials and formations is vital for making critical engineering decisions. Identifying and classifying rock masses and soil formations allows reasonable estimation of their characteristic properties. Comprising chapters from the second edition of the revered *Geotechnical Engineering Investigation*

Engineering Geology EOLSS Publications

A guide to image interpretation, this book contains detailed color plates and tables that compare satellite imaging systems, list remote sensing web sites, and detail photointerpretation equipment. It includes case histories of the search for petroleum and mineral deposits and examines engineering uses of remote sensing. The volume comprises four sections: project initiation; exploration techniques; exploitation and engineering remote sensing; and environmental concerns. They combine to provide readers with a solid foundation of what image interpretation is and enables them to recognize features of interest and effectively use imagery in projects for the petroleum, mining, or groundwater industries.

DRILLING ENGINEERING CRC Press

From the reviews: "...is a "must" for serious field novices, and for seasoned middle-career and senior practitioners in hydrogeology, mainly those people who answer a calling to offer honest and accurate hydrogeological approximations and findings. Any engineering geologist or groundwater geologist who claims capability as a "Hydrogeologist" should own this book and submit it to highlighting and page tabbing. Of course, the same goes for those who practice in karst terranes, as author LaMoreaux is one of the pioneers in this field, worldwide..." (Allen W. Hatheway)

Principles of Engineering Geology and Geotechnics PHI Learning Pvt. Ltd.

Engineering Geology attempts to provide an understanding of relations between the geology of a building site and the engineering structure. It presents examples taken from real-life experience and practice to provide evidence for the significance of engineering geology in planning, design, construction, and maintenance of engineering structures. The book begins with an introduction of geological investigations, distinguishing between the reconnaissance investigation, the detailed investigation, and investigation during construction. It then explains the significance of geological maps and sections; the mechanical behavior of rocks; subsurface investigation for engineering construction; and geophysical methods. The remaining chapters discuss the physical and chemical weathering of rocks; slope movements; and geological investigations for buildings, roads and railways, tunnels, and hydraulic structures. This book is intended particularly for civil engineering students and students of engineering geology in the university faculties of natural sciences. It describes geological features so as to be comprehensible to Technical College students and to explain construction problems intelligibly for geology students. The book will also be of assistance to planners, civil engineers, and graduate engineering geologists.

Practical Engineering Geology CRC Press

No engineering structure can be built on the ground or within it without the influence of geology being experienced by the engineer. Yet geology is an ancillary subject to students of engineering and it is therefore essential that their training is supported by a concise, reliable and usable text on geology and its relationship to engineering. In this book all the fundamental aspects of geology are described and explained, but within the limits thought suitable for engineers. It describes the structure of the earth and the operation of its internal processes, together with the geological processes that shape the earth and produce its rocks and soils. It also details the commonly occurring types of rock and soil, and many types of geological structure and geological maps. Care has been taken to focus on the relationship between geology and geomechanics, so emphasis has been placed on the geological processes that bear directly upon the composition, structure and mechanics of soil and rocks, and on the movement of groundwater. The descriptions of geological processes and their products are used as the basis for explaining why it is important to investigate the ground, and to show how the investigations may be conducted at ground level and underground. Specific instruction is provided on the relationship between geology and many common activities undertaken when engineering in rock and soil.

Characteristics of Geologic Materials and Formations Springer

This treatise is an outgrowth of a series of seminars and tutorials on selected legal aspects of geology that were offered to several generations of undergraduate students at Lawrence University. The offerings were in response to a keen interest in how the law and legal institutions relate to the professional geologist. Much of the student interest was undoubtedly sparked by the legal controversies as associated with the "environmental movement" that became so active during the 1970s and continues today to look to the law for the resolution of conflicting goals. Other students were interested in the role allocated to law by society in general, or were simply curious about law as a profession. Existing published material did not meet my needs, and I had to rely on "handouts" summarizing legal principles, reported appellate cases, and guest lectures from the county bar association. The more formally prepared course materials were edited by practicing attorneys and scholars in academia who encouraged me to seek a publisher who might make the materials available to a broader audience-an audience that might include not only students of the law but also the professional geologist, geological engineers, planners, policy makers, and attorneys, whether in industry, government, education, or private practice, who want to know more about the relationship between law and geology.

[Principles of engineering geology and geotechniques](#) CRC Press

Winner of the 2004 Claire P. Holdredge Award of the Association of Engineering Geologists (USA). The only book to concentrate on the relationship between geology and its implications for construction, this book covers the full scope of the subject from site investigation through to the complexities of reservoirs and dam sites. Features include international case studies throughout, and summaries of accepted practice, plus sections

on waste disposal, and contaminated land.