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Applied Hydrology is a valuable contribution to the literature. It is clearly written and meets all goals described by the authors. The book is intended as an upper level undergraduate or graduate level text but will also serve well as a reference handbook for applied hydrologists. The book is divided into three parts.

Applied Hydrology, McGraw-Hill Series in Water Resources ...
Synopsis This text is designed for a hydrologist, civil, or agricultural engineer. The text presents an integrated approach to hydrology, using the hydrologic/system or control volume as a mechanism for analyzing hydrologic problems.

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Applied Hydrology This course will introduce the practice of surface water hydrology as water plays a role in the development of most human activities. Various land phase hydrologic processes will be described.

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Handbook of Applied Hydrology, Second Edition Vijay P. Singh. 5.0 out of 5 stars 10. Hardcover. \$163.48. Only 5 left in stock (more on the way). Open-Channel Hydraulics Ven Te Chow. 4.5 out of 5 stars 36. Paperback. \$66.93. Only 7 left in stock (more on the way). Hydrology for Engineers (McGraw-Hill Series in Water Resources and Environmental Engineering) Ray K. Linsley. 5.0 out of 5 stars 3 ...

Applied Hydrology: Chow, Ven, Maidment, David, Mays, Larry ...
Professor Mays is author of Water Resources Engineering (John Wily & Sons) and Optimal Control of Hydrosystems (Marcel Dekker), co-author of Applied Hydrology and Hydrosystems Engineering and Mangement (both from McGraw-Hill) and editor-in-chief of the Water Resources Handbook, Hydraulic Design Handbook, Water Distribution Systems Handbook, Stormwater Collection Systems Design Handbook, and the Urban Water Supply Handbook (all from McGraw-Hill).

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The first revision in more than 20 years of the renowned engineering hydrology text Applied Hydrology, Second Edition retains the successful outline of this classic text while adding new material on physical hydrologic modeling to cover advances in that field of hydrology. New coverage includes the advances in solving hydrology problems through the use of new methodologies such as GIS technology. The book is divided into three parts: Hydrologic Processes; Hydrologic Analysis; and Hydrologic Design, where most of the revisions occur. Applied Hydrology, Second Edition Emphasizes a unique, fundamental approach to hydrology, providing the basis for understanding methodologies and software used in applied hydrology Includes a wealth of new problems, both worked out examples and end-of-chapter problems Contains special topics, such as the hydrology of arid and semi-arid regions and hydrology of climate change Incorporates the very latest methodologies for solving hydrology problems, including radar rainfall (NEXRAD), GIS, and others Offers a comprehensive approach to hydrologic design, covering the hydrology of floodplain analysis and water supply analysis

Fully Updated Hydrology Principles, Methods, and Applications Thoroughly revised for the first time in 50 years, this industry-standard resource features chapter contributions from a \who's who' of international hydrology experts. Compiled by a colleague of the late Dr. Chow, Chow's Handbook of Applied Hydrology, Second Edition, covers scientific and engineering fundamentals and presents all-new methods, processes, and technologies. Complete details are provided for the full range of ecosystems and models. Advanced chapters look to the future of hydrology, including climate change impacts, extraterrestrial water, social hydrology, and water security. Chow's Handbook of Applied Hydrology, Second Edition, covers: · The Fundamentals of Hydrology · Data Collection and Processing · Hydrology Methods · Hydrologic Processes and Modeling · Sediment and Pollutant Transport · Hydrometeorologic and Hydrologic Extremes · Systems Hydrology · Hydrology of Large River and Lake Basins · Applications and Design · The Future of Hydrology

Applications in Hydrogeology for Geoscientists presents the most recent scientific developments in the field that are accessible yet rigorous enough for industry professionals and academic researchers alike. A multi-contributed reference that features the knowledge and experience of the field's experts, the book's chapters span the full scope of hydrogeology, introducing new approaches and progress in conceptualization, simulation of groundwater flow and transport, and progressive hydro-geophysical methods. Each chapter includes examples of recent developments in hydrogeology, groundwater, and hydrology that are underscored with perspectives regarding the challenges that are facing industry professionals, researchers, and academia. Several sub-themes including theoretical advances in conceptualization and modeling of hydro-geologic challenges connect the chapters and weave the topics together holistically. Advances in research are aided by insights arising from observations from both field and laboratory work. Introduces new approaches and progress in hydrogeology, including conceptualization, simulated groundwater flow and transport, and cutting edge hydro-geophysical methods Features more than 100 figures, diagrams, and illustrations to highlight major themes and aid in the retention of key concepts Presents a holistic approach to advances in hydrogeology, from the most recent developments in reservoirs and hydraulics to analytic modeling of transient multi-layer flow and aquifer flow theory Integrates real life data, examples and processes, making the content practical and immediately implementable

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.

This classic hydrology resource has been fully revised to reflect the latest advances and applications Long considered the \go to' book on the hydrologist's shelf, this comprehensive handbook has been thoroughly updated for the first time in 50 years. Chow's Handbook of Applied Hydrology, Second Edition discusses the history of hydrologic science and engineering and offers new topics, methods, processes and technologies. Featuring chapter contributions from a \who's who' in the field, this volume offers user-friendly explanations of hydrology principles and their latest, practical uses. Details are provided for a wide range of ecosystems, including large river and lake basins. You will get full coverage of hydrologic modeling and design, hydrometeorology, sediment and pollutant transport, and much more. Hydrology experts from around the world offer case studies and insights throughout End-of-chapter summaries and questions highlight key topics Updated by a colleague and former student of the late Dr. Chow