

# Mechanics Of Fluids 4th Edition

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*Introduction to Fluid Mechanics, Sixth Edition -*

William S. Janna 2020-04-20

Introduction to Fluid Mechanics, Sixth Edition, is intended to be used in a first course in Fluid Mechanics, taken by a range of engineering majors. The text begins with dimensions, units, and fluid properties, and continues with derivations of key equations used in the control-volume approach. Step-by-step examples focus on everyday situations, and applications. These include flow with friction through pipes and tubes, flow past various two and three dimensional objects, open channel flow, compressible flow, turbomachinery and experimental methods. Design projects give readers a sense of what they will encounter in industry. A solutions manual

and figure slides are available for instructors.

**Introduction to Fluid Mechanics - William S.**

Janna 2009-11-03

The ability to understand the area of fluid mechanics is enhanced by using equations to mathematically model those phenomena encountered in everyday life. Helping those new to fluid mechanics make sense of its concepts and calculations, Introduction to Fluid Mechanics, Fourth Edition makes learning a visual experience by introducing the types of pr

**Turbulence in Fluids - Marcel Lesieur 2008-03-26**

Now in its fully updated fourth edition, this leading text in its field is an exhaustive monograph on turbulence in fluids in its theoretical and applied aspects. The authors examine a number of

advanced developments using mathematical spectral methods, direct-numerical simulations, and large-eddy simulations. The book remains a hugely important contribution to the literature on a topic of great importance for engineering and environmental applications, and presents a very detailed presentation of the field.

**Incompressible Flow** - Ronald L. Panton

2013-08-05

The most teachable book on incompressible flow— now fully revised, updated, and expanded Incompressible Flow, Fourth Edition is the updated and revised edition of Ronald Panton's classic text. It continues a respected tradition of providing the most comprehensive coverage of the subject in an exceptionally clear, unified, and carefully paced introduction to advanced concepts in fluid mechanics. Beginning with basic principles, this Fourth Edition patiently develops the math and physics leading to major theories. Throughout, the book provides a unified presentation of physics, mathematics, and engineering applications, liberally supplemented with helpful exercises and example problems. Revised to reflect students' ready access to mathematical computer programs that have advanced features and are easy to use, Incompressible Flow, Fourth Edition includes: Several more exact solutions of the Navier-Stokes equations Classic-style Fortran programs for the Hiemenz flow, the Psi-Omega method for

entrance flow, and the laminar boundary layer program, all revised into MATLAB A new discussion of the global vorticity boundary restriction A revised vorticity dynamics chapter with new examples, including the ring line vortex and the Fraenkel-Norbury vortex solutions A discussion of the different behaviors that occur in subsonic and supersonic steady flows Additional emphasis on composite asymptotic expansions Incompressible Flow, Fourth Edition is the ideal coursebook for classes in fluid dynamics offered in mechanical, aerospace, and chemical engineering programs.

**Fox and McDonald's Introduction to Fluid Mechanics** - Robert W. Fox 2020-06-30

Through ten editions, Fox and McDonald's Introduction to Fluid Mechanics has helped students understand the physical concepts, basic principles, and analysis methods of fluid mechanics. This market-leading textbook provides a balanced, systematic approach to mastering critical concepts with the proven Fox-McDonald solution methodology. In-depth yet accessible chapters present governing equations, clearly state assumptions, and relate mathematical results to corresponding physical behavior. Emphasis is placed on the use of control volumes to support a practical, theoretically-inclusive problem-solving approach to the subject. Each comprehensive chapter includes numerous, easy-to-follow examples that illustrate good solution

technique and explain challenging points. A broad range of carefully selected topics describe how to apply the governing equations to various problems, and explain physical concepts to enable students to model real-world fluid flow situations. Topics include flow measurement, dimensional analysis and similitude, flow in pipes, ducts, and open channels, fluid machinery, and more. To enhance student learning, the book incorporates numerous pedagogical features including chapter summaries and learning objectives, end-of-chapter problems, useful equations, and design and open-ended problems that encourage students to apply fluid mechanics principles to the design of devices and systems.

Fundamental Mechanics of Fluids - Iain G. Currie  
2002-12-12

Retaining the features that made previous editions perennial favorites, Fundamental Mechanics of Fluids, Third Edition illustrates basic equations and strategies used to analyze fluid dynamics, mechanisms, and behavior, and offers solutions to fluid flow dilemmas encountered in common engineering applications. The new edition contains completely re

**Mechanics of Fluids** - John Ward-Smith  
2018-10-24

As in previous editions, this ninth edition of Massey's Mechanics of Fluids introduces the basic principles of fluid mechanics in a detailed and clear manner. This bestselling textbook

provides the sound physical understanding of fluid flow that is essential for an honours degree course in civil or mechanical engineering as well as courses in aeronautical and chemical engineering. Focusing on the engineering applications of fluid flow, rather than mathematical techniques, students are gradually introduced to the subject, with the text moving from the simple to the complex, and from the familiar to the unfamiliar. In an all-new chapter, the ninth edition closely examines the modern context of fluid mechanics, where climate change, new forms of energy generation, and fresh water conservation are pressing issues. SI units are used throughout and there are many worked examples. Though the book is essentially self-contained, where appropriate, references are given to more detailed or advanced accounts of particular topics providing a strong basis for further study. For lecturers, an accompanying solutions manual is available.

**Mechanics of Fluids** - Merle C. Potter 2011-01-05

MECHANICS OF FLUIDS presents fluid mechanics in a manner that helps students gain both an understanding of, and an ability to analyze the important phenomena encountered by practicing engineers. The authors succeed in this through the use of several pedagogical tools that help students visualize the many difficult-to-understand phenomena of fluid mechanics.

Explanations are based on basic physical

concepts as well as mathematics which are accessible to undergraduate engineering students. This fourth edition includes a Multimedia Fluid Mechanics DVD-ROM which harnesses the interactivity of multimedia to improve the teaching and learning of fluid mechanics by illustrating fundamental phenomena and conveying fascinating fluid flows. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Schaum's Outline of Fluid Mechanics - Merle**

Potter 2007-12-31

Study faster, learn better--and get top grades with Schaum's Outlines Millions of students trust Schaum's Outlines to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. Use Schaum's Outlines to: Brush up before tests Find answers fast Study quickly and more effectively Get the big picture without spending hours poring over lengthy textbooks Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time--and get your best test scores! This Schaum's Outline gives you: A concise guide to

the standard college course in fluid dynamics 480 problems with answers or worked-out solutions

Practice problems in multiple-choice format like those on the Fundamentals of Engineering Exam

**Fundamental Mechanics of Fluids - I.G. Currie**

2016-04-19

Fundamental Mechanics of Fluids, Fourth Edition addresses the need for an introductory text that focuses on the basics of fluid mechanics--before concentrating on specialized areas such as ideal-fluid flow and boundary-layer theory. Filling that void for both students and professionals working in different branches of engineering, this versatile ins

**Mechanics of Fluids - Irving Herman Shames**

1982

The new 4th Edition lessens the amount of advanced coverage, and concentrates on the topics covered in typical first courses in Fluid Mechanics, while remaining a rigorous introductory level fluids book with a strong conceptual approach to fluids based on mechanics principles. Students from Mechanical, Civil, Aero, and Engineering Science departments will benefit from this title. Students find Shames, Mechanics of Fluids to be readable while having strong coverage of underlying math and physics principles. Shames' book provides an especially clear link between the basics of fluid flow and advanced courses such compressible flow or viscous fluid flow. It also includes Matlab

applications for the first time, giving students a way to link fluid mechanics problem-solving with the most widely used computational & problem modeling tool.

Chemical Engineering Fluid Mechanics - Ron Darby 2016-11-30

This book provides readers with the most current, accurate, and practical fluid mechanics related applications that the practicing BS level engineer needs today in the chemical and related industries, in addition to a fundamental understanding of these applications based upon sound fundamental basic scientific principles. The emphasis remains on problem solving, and the new edition includes many more examples.

*Mechanics of Fluids* - Merle C. Potter 2016-01-01

Readers gain both an understanding of fluid mechanics and the ability to analyze this important phenomena encountered by practicing engineers with MECHANICS OF FLUIDS, 5E. The authors use proven learning tools to help students visualize many difficult-to-understand aspects of fluid mechanics. The book presents numerous phenomena that are often not discussed in other books, such as entrance flows, the difference between wakes and separated regions, free-stream fluctuations and turbulence, and vorticity. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Introduction to Continuum Mechanics** - W

Michael Lai 2014-06-28

Introduction to Continuum Mechanics is a recently updated and revised text which is perfect for either introductory courses in an undergraduate engineering curriculum or for a beginning graduate course. Continuum Mechanics studies the response of materials to different loading conditions. The concept of tensors is introduced through the idea of linear transformation in a self-contained chapter, and the interrelation of direct notation, indicial notation, and matrix operations is clearly presented. A wide range of idealized materials are considered through simple static and dynamic problems, and the book contains an abundance of illustrative examples of problems, many with solutions. Serves as either a introductory undergraduate course or a beginning graduate course textbook. Includes many problems with illustrations and answers.

*A Physical Introduction to Fluid Mechanics* -

Alexander J. Smits 2000

Uncover Effective Engineering Solutions to Practical Problems With its clear explanation of fundamental principles and emphasis on real world applications, this practical text will motivate readers to learn. The author connects theory and analysis to practical examples drawn from engineering practice. Readers get a better understanding of how they can apply these concepts to develop engineering answers to

various problems. By using simple examples that illustrate basic principles and more complex examples representative of engineering applications throughout the text, the author also shows readers how fluid mechanics is relevant to the engineering field. These examples will help them develop problem-solving skills, gain physical insight into the material, learn how and when to use approximations and make assumptions, and understand when these approximations might break down. Key Features of the Text \* The underlying physical concepts are highlighted rather than focusing on the mathematical equations. \* Dimensional reasoning is emphasized as well as the interpretation of the results. \* An introduction to engineering in the environment is included to spark reader interest. \* Historical references throughout the chapters provide readers with the rich history of fluid mechanics.

Mechanics of Fluids - Irving Herman Shames  
2003

In keeping with previous editions, this book offers a strong conceptual approach to fluids, based on mechanics principles. The author provides rigorous coverage of underlying math and physics principles, and establishes clear links between the basics of fluid flow and subsequent advanced topics like compressible flow and viscous fluid flow.

**Applied Sport Mechanics 4th Edition** - Burkett,

Brendan 2018-01-07

**Applied Sport Mechanics, Fourth Edition**, helps undergraduates understand how the fundamental laws of human movement affect athletes' performances. Foundational principles of kinetics, kinematics, and sports technique are clearly presented and then explored through a variety of applied scenarios.

**Design of Fluid Thermal Systems - SI Version** -  
William S. Janna 2010-04-09

This book is designed to serve senior-level engineering students taking a capstone design course in fluid and thermal systems design. It is built from the ground up with the needs and interests of practicing engineers in mind; the emphasis is on practical applications. The book begins with a discussion of design methodology, including the process of bidding to obtain a project, and project management techniques. The text continues with an introductory overview of fluid thermal systems (a pump and pumping system, a household air conditioner, a baseboard heater, a water slide, and a vacuum cleaner are among the examples given), and a review of the properties of fluids and the equations of fluid mechanics. The text then offers an in-depth discussion of piping systems, including the economics of pipe size selection. Janna examines pumps (including net positive suction head considerations) and piping systems. He provides the reader with the ability to design an entire

system for moving fluids that is efficient and cost-effective. Next, the book provides a review of basic heat transfer principles, and the analysis of heat exchangers, including double pipe, shell and tube, plate and frame cross flow heat exchangers. Design considerations for these exchangers are also discussed. The text concludes with a chapter of term projects that may be undertaken by teams of students. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

*Engineering Fluid Mechanics* - K L Kumar 2008

It is a long way from the first edition in 1976 to the present sixth edition in 1995. This edition is dedicated to the memory of Prof. S.P. Luthra (Once Head, Applied Mechanics Director, IIT Delhi) who wrote the foreword to its first edition. So many faculty members and students from different parts of the country and from abroad have accepted the text and contributed to its development. The book has been improved and updated with every edition.

**Turbulence in Fluids** - Marcel Lesieur 2012-12-06

Turbulence is a dangerous topic which is often at the origin of serious fights in the scientific meetings devoted to it since it represents extremely different points of view, all of which have in common their complexity, as well as an inability to solve the problem. It is even difficult to agree on what exactly is the problem to be

solved. Extremely schematically, two opposing points of view have been advocated during these last ten years: the first one is "statistical", and tries to model the evolution of averaged quantities of the flow. This com has followed the glorious trail of Taylor and Kolmogorov, munity, which believes in the phenomenology of cascades, and strongly disputes the possibility of any coherence or order associated to turbulence. On the other bank of the river stands the "coherence among chaos" community, which considers turbulence from a purely deterministic point of view, by studying either the behaviour of dynamical systems, or the stability of flows in various situations. To this community are also associated the experimentalists who seek to identify coherent structures in shear flows.

Fluid and Thermodynamics - Kolumban Hutter

2016-07-18

In this book fluid mechanics and thermodynamics (F&T) are approached as interwoven, not disjoint fields. The book starts by analyzing the creeping motion around spheres at rest: Stokes flows, the Oseen correction and the Lagerstrom-Kaplun expansion theories are presented, as is the homotopy analysis. 3D creeping flows and rapid granular avalanches are treated in the context of the shallow flow approximation, and it is demonstrated that uniqueness and stability deliver a natural transition to turbulence modeling at the zero, first order closure level. The difference-

quotient turbulence model (DQTM) closure scheme reveals the importance of the turbulent closure schemes' non-locality effects.

Thermodynamics is presented in the form of the first and second laws, and irreversibility is expressed in terms of an entropy balance. Explicit expressions for constitutive postulates are in conformity with the dissipation inequality. Gas dynamics offer a first application of combined F&T. The book is rounded out by a chapter on dimensional analysis, similitude, and physical experiments.

Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice - E-Book - Stephen P. DiBartola 2011-06-01

The leading reference for the diagnosis and management of fluid, electrolyte, and acid-base imbalances in small animals, *Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice*, 4th Edition provides cutting-edge, evidence-based guidelines to enhance your care of dogs and cats. Information is easy to find and easy to use, with comprehensive coverage including fluid and electrolyte physiology and pathophysiology and their clinical applications, as well as the newest advances in fluid therapy and a discussion of a new class of drugs called vaptans. Lead author Stephen DiBartola is a well-known speaker and the "go-to" expert in this field, and his team of contributors represents the most authoritative and respected clinicians and

academicians in veterinary medicine. Over 30 expert contributors represent the "cream of the crop" in small animal medicine, ensuring that this edition provides the most authoritative and evidence-based guidelines. Scientific, evidence-based insights and advances integrate basic physiological principles into practice, covering patient evaluation, differential diagnosis, normal and abnormal clinical features and laboratory test results, approaches to therapy, technical aspects of therapy, patient monitoring, assessing risk, and prediction of outcomes for each disorder.

Hundreds of tables, algorithms, and schematic drawings demonstrate the best approaches to diagnosis and treatment, highlighting the most important points in an easy-access format. Drug and dosage recommendations are included with treatment approaches in the Electrolyte Disorders section. Clear formulas in the Fluid Therapy section make it easier to determine the state of dehydration, fluid choice, and administration rate and volume in both healthy and diseased patients. Updated chapters cover the latest advances in fluid therapy in patient management, helping you understand and manage a wide range of potentially life-threatening metabolic disturbances. Expanded Disorders of Sodium and Water chapter includes information on a new class of drugs called vaptans, vasopressin receptor antagonists that may soon improve the ability to manage patients with chronic



hyponatremia. Hundreds of new references cover the most up-to-date advances in fluid therapy, including renal failure and shock syndromes.

**Fluid Mechanics and Heat Transfer** - William Roy Penney 2018-01-31

This practical book provides instruction on how to conduct several "hands-on" experiments for laboratory demonstration in the teaching of heat transfer and fluid dynamics. It is an ideal resource for chemical engineering, mechanical engineering, and engineering technology professors and instructors starting a new laboratory or in need of cost-effective and easy to replicate demonstrations. The book details the equipment required to perform each experiment (much of which is made up of materials readily available in most laboratories), along with the required experimental protocol and safety precautions. Background theory is presented for each experiment, as well as sample data collected by students, and a complete analysis and treatment of the data using correlations from the literature.

*Fluid Flow* - Rolf H. Sabersky 1971

[Fluid Mechanics](#) - Bijay Sultanian 2015-07-28

Fluid Mechanics: An Intermediate Approach addresses the problems facing engineers today by taking on practical, rather than theoretical problems. Instead of following an approach that focuses on mathematics first, this book allows you to develop an intuitive physical understanding

of various fluid flows, including internal compressible flows with simultaneous area change, friction, heat transfer, and rotation.

Drawing on over 40 years of industry and teaching experience, the author emphasizes physics-based analyses and quantitative predictions needed in the state-of-the-art thermofluids research and industrial design applications. Numerous worked-out examples and illustrations are used in the book to demonstrate various problem-solving techniques. The book covers compressible flow with rotation, Fanno flows, Rayleigh flows, isothermal flows, normal shocks, and oblique shocks; Bernoulli, Euler, and Navier-Stokes equations; boundary layers; and flow separation. Includes two value-added chapters on special topics that reflect the state of the art in design applications of fluid mechanics. Contains a value-added chapter on incompressible and compressible flow network modeling and robust solution methods not found in any leading book in fluid mechanics. Gives an overview of CFD technology and turbulence modeling without its comprehensive mathematical details. Provides an exceptional review and reinforcement of the physics-based understanding of incompressible and compressible flows with many worked-out examples and problems from real-world fluids engineering applications. Fluid Mechanics: An Intermediate Approach uniquely aids in the intuitive understanding of various fluid

flows for their physics-based analyses and quantitative predictions needed in the state-of-the-art thermofluids research and industrial design applications.

*Fluid Mechanics* - Yunus A. Çengel 2006

Covers the basic principles and equations of fluid mechanics in the context of several real-world engineering examples. This book helps students develop an intuitive understanding of fluid mechanics by emphasizing the physics, and by supplying figures, numerous photographs and visual aids to reinforce the physics.

Fluid Mechanics - Frank M. White 1999

The fourth edition of this text includes the addition of over 500 new problems, divided into categories of applied problems, comprehensive applied problems, design projects, word problems and FE (fundamentals of engineering exam) problems. The book has been given an updated, modern design and includes many useful pedagogical and motivational aids such as a perforated Key Equations Card, boxed equations, and opening chapter photos.

**Mechanics of Fluids SI Version** - Merle C. Potter  
2012-08-08

MECHANICS OF FLUIDS presents fluid mechanics in a manner that helps students gain both an understanding of, and an ability to analyze the important phenomena encountered by practicing engineers. The authors succeed in this through the use of several pedagogical tools

that help students visualize the many difficult-to-understand phenomena of fluid mechanics.

Explanations are based on basic physical concepts as well as mathematics which are accessible to undergraduate engineering students. This fourth edition includes a Multimedia Fluid Mechanics DVD-ROM which harnesses the interactivity of multimedia to improve the teaching and learning of fluid mechanics by illustrating fundamental phenomena and conveying fascinating fluid flows. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**FLUID MECHANICS: FUNDAMENTALS AND APPLICATIONS, SI** - Yunus A. Çengel 2019-07-21

**Computational Fluid Mechanics and Heat Transfer, Second Edition** - Richard H. Pletcher  
1997-04-01

This comprehensive text provides basic fundamentals of computational theory and computational methods. The book is divided into two parts. The first part covers material fundamental to the understanding and application of finite-difference methods. The second part illustrates the use of such methods in solving different types of complex problems encountered in fluid mechanics and heat transfer. The book is replete with worked examples and problems provided at the end of each chapter.

**Fluid Mechanics - Pijush K. Kundu 2013-04-09**

Written in a clear and simple style, this textbook on fluid mechanics gives equal emphasis to both geophysical and engineering fluid mechanics. For physicists, it contains chapters on geophysical fluid mechanics and gravity waves; for engineers, it has chapters on aerodynamics and compressible flow. Of common interest are chapters on governing equations, laminar flows, boundary layers, instability, and turbulence. This book also presents topics of recent interest, such as deterministic chaos, and double-diffusive instability. n Gives equal treatment to topics in both engineering and geophysical fluid dynamics n Suitable as an intermediate or graduate course textbook for students in their senior year or above n Treats topics of recent interest such as deterministic chaos, double diffusive instability and soliton n Extensively illustrated n Contains fully worked examples in each chapter as well as end-of-chapter problems n An instructor's manual is available

***Mechanics of Fluids* - Merle C. Potter 1991**

An authoritative, mainstream presentation of the physical concepts and mathematics of fluid mechanics.

**Theory of Simple Liquids - Jean-Pierre Hansen 1990-09-24**

This book gives a comprehensive and up-to-date treatment of the theory of "simple" liquids. The new second edition has been rearranged and

considerably expanded to give a balanced account both of basic theory and of the advances of the past decade. It presents the main ideas of modern liquid state theory in a way that is both pedagogical and self-contained. The book should be accessible to graduate students and research workers, both experimentalists and theorists, who have a good background in elementary mechanics. Compares theoretical deductions with experimental results Molecular dynamics Monte Carlo computations Covers ionic, metallic, and molecular liquids

***Mechanics of Fluids* - Irving H. Shames 1992-03**

The new 4th Edition lessens the amount of advanced coverage, and concentrates on the topics covered in typical first courses in Fluid Mechanics, while remaining a rigorous introductory level fluids book with a strong conceptual approach to fluids based on mechanics principles. Students from Mechanical, Civil, Aero, and Engineering Science departments will benefit from this title. Students find Shames, *Mechanics of Fluids* to be readable while having strong coverage of underlying math and physics principles. Shames' book provides an especially clear link between the basics of fluid flow and advanced courses such compressible flow or viscous fluid flow. It also includes Matlab applications for the first time, giving students a way to link fluid mechanics problem-solving with the most widely used computational & problem

modeling tool.

*Fundamentals of Fluid Mechanics* - Bruce Roy  
Munson 1999

**Continuum Mechanics for Engineers** - G. Thomas  
Mase 2020-05-01

A bestselling textbook in its first three editions, *Continuum Mechanics for Engineers, Fourth Edition* provides engineering students with a complete, concise, and accessible introduction to advanced engineering mechanics. It provides information that is useful in emerging engineering areas, such as micro-mechanics and biomechanics. Through a mastery of this volume's contents and additional rigorous finite element training, readers will develop the mechanics foundation necessary to skillfully use modern, advanced design tools. Features: Provides a basic, understandable approach to the concepts, mathematics, and engineering applications of continuum mechanics Updated throughout, and adds a new chapter on plasticity Features an expanded coverage of fluids Includes numerous all new end-of-chapter problems With an abundance of worked examples and chapter problems, it carefully explains necessary mathematics and presents numerous illustrations, giving students and practicing professionals an excellent self-study guide to enhance their skills.

**Fluid Mechanics** - Victor Lyle Streeter 1983

**Introduction to Fluid Mechanics** - William S.  
Janna 1993

This book provides readers with an understanding of the theory, concepts and applications of fluid mechanics.

*Munson, Young and Okiishi's Fundamentals of Fluid Mechanics* - Andrew L. Gerhart 2020-12-03

*Fundamentals of Fluid Mechanics, 9th Edition* offers comprehensive topical coverage, with varied examples and problems, application of the visual component of fluid mechanics, and a strong focus on effective learning. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. The 9th Edition includes new coverage of finite control volume analysis and compressible flow, as well as a selection of new problems. Continuing this important work's tradition of extensive real-world applications, each chapter includes The Wide World of Fluids case study boxes in each chapter. In addition, there are a wide variety of videos designed to enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts.

**Schaum's Outline of Fluid Mechanics and Hydraulics, 4th Edition** - Cheng Liu 2013-11-08

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately, there's Schaum's.

This all-in-one-package includes more than 600 fully solved problems, examples, and practice exercises to sharpen your problem-solving skills. Plus, you will have access to 20 detailed videos featuring instructors who explain the most commonly tested problems--it's just like having your own virtual tutor! You'll find everything you need to build confidence, skills, and knowledge for the highest score possible. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-

follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you 622 fully solved problems Extra practice on topics such as buoyancy and flotation, complex pipeline systems, fluid machinery, flow in open channels, and more Support for all the major textbooks for fluid mechanics and hydraulics courses Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-- and get your best test scores! Schaum's Outlines--Problem Solved.