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 Engineering Economics 4/E
 Methods of Environmental and Social Impact Assessment
 (in S.I. Units)
 Engineering Economy
 Engineering Economic Analysis
 Project Life Cycle Economics
 ENGINEERING ECONOMICS
 TEXTBOOK OF PRODUCTION ENGINEERING
 Project Management
 Engineering Geology
 INTEREST TABLES FOR ENGINEERING ECONOMICS
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EDEN CUMMINGS

Concepts, Issues, Markets and Governance PHI Learning Pvt. Ltd.

The second edition of this well-organized and comprehensive text continues to provide an in-depth coverage of the theory and applications of operations research. It emphasizes the role of operations research not only as an effective decision-making tool, but also as an essential productivity improvement tool to deal with real-world management problems. This New Edition includes new carefully designed numerical examples that help in understanding complex mathematical concepts better. The book is an easy read, explaining the basics of operations research and discussing various optimization techniques such as linear and non-linear programming, dynamic programming, goal programming, parametric programming, integer programming, transportation and assignment problems, inventory control, and network techniques. It also gives a comprehensive account of game theory, queueing theory, project management, replacement and maintenance analysis, and production scheduling. NEW TO THIS EDITION Inclusion of quantity discount models for transportation problem. Updated inventory control model and detailed discussion on application of dynamic programming in the fields of cargo loading and single-machine scheduling. Numerous new examples that explain the operations research concepts better. New questions with complete solutions to selected problems. This book, with its many student friendly features, would be eminently suitable as a text for students of engineering (mechanical, production and industrial engineering), management, mathematics, statistics, and postgraduate students of commerce and computer applications (MCA).

A Textbook of Strength of Materials PHI Learning Pvt. Ltd.

This highly structured text provides comprehensive coverage of design techniques of algorithms. It traces the complete development of various algorithms in a stepwise approach followed by their pseudo-codes to build an understanding of their application in practice. With clear explanations, the book analyzes different kinds of algorithms such as distance-based network algorithms, search algorithms, sorting algorithms, probabilistic algorithms, and single as well as parallel processor scheduling algorithms. Besides, it discusses the importance of heuristics, benchmarking of algorithms, cryptography, and dynamic programming. Key Features : Offers in-depth treatment of basic and advanced topics. Includes numerous worked examples covering varied real-world situations to help students grasp the concepts easily. Provides chapter-end exercises to enable students to check their mastery of content. This text is especially designed for students of B.Tech and M.Tech (Computer Science and Engineering and Information Technology), MCA, and M.Sc. (Computer Science and Information Technology). It would also be useful to undergraduate students of electrical and electronics and other engineering disciplines where a course in algorithms is prescribed.

Financial Decision Making for Engineers PHI Learning Pvt. Ltd.

This thoroughly revised book, now in its second edition, gives a complete coverage of the fundamental concepts and applications of Production Engineering. Divided into six parts, the text covers the various theoretical concepts, design and process of metal cutting, the design and mechanism of various machine tools, and various aspects of precision measurement and manufacturing. The concepts and processes of metal working and the design of press tools, various modern methods of manufacturing, such as ultrasonic machining (USM), electrochemical deburring (ECD), and hot machining are also covered. A variety of worked-out examples and end-of-chapter review questions are provided to strengthen the grasp as well as to test the comprehension of the underlying concepts and principles. The text is extensively illustrated to aid the students in gaining a thorough understanding of various production processes and the principles behind them. The text is intended to serve the needs of the undergraduate students of Mechanical Engineering and

Production Engineering. The postgraduate students of Mechanical Engineering and Production Engineering will also find the book highly useful. Key Features • Incorporates a new chapter on Grinding and other Abrasive metal removal processes. • Includes new sections on - Electric motors for machine tools in Chapter 18. - Production of screw threads in Chapter 22. - Linear precision measurement, surface finish, and machine tools in Chapter 23. • Presents several new illustrative examples throughout the book.

Engineering Economics and Ship Design PHI Learning Pvt. Ltd.

This text covers the basic techniques and applications of engineering economy for all disciplines in the engineering profession. The writing style emphasizes brief, crisp coverage of the principle or technique discussed in order to reduce the time taken to present and grasp the essentials. The objective of the text is to explain and demonstrate the principles and techniques of engineering economic analysis as applied in different fields of engineering. This brief text includes coverage of multiple attribute evaluation for instructors who want to include non-economic dimensions in alternative evaluation and the discussion of risk considerations in the appendix, compared to Blank's comprehensive text, where these topics are discussed in two unique chapters.

Principles and Practice ENGINEERING ECONOMICS

Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation and environmental stewardship as well as a new chapter on project management.

Engineering Economy Routledge

The financing of modern construction projects reflects the need to address the costs and benefits of the whole life of the project. This means that end of life economics can now have a far greater impact on the planning and feasibility phases. During the project itself, decisions on construction materials and processes all influence the schedule as well as both immediate and down-the-line costs. Massimo Pica and his co-authors explain in detail the fundamentals of project life cycle economics and how they apply in the context of complex modern construction. This is an essential guide for those involved in construction project design, tendering and contracting; to help ensure the sustainability of the project or their contribution to it, from the start. It is also important for those involved in the delivery of the project to help them make the choices to keep the project on a financial even keel. Government, corporations and other organizations are looking for new models of collaborative working to fund their large construction and infrastructure projects in the face of changing attitudes to risk; a better educated and more demanding base of end-user clients and the increasing requirements for projects that are environmentally responsible and sustainable. Project Life Cycle Economics is a fundamental primer for those commissioning and those delivering construction.

PRODUCTION PLANNING AND CONTROL Routledge

This book is written to explain the influence ground conditions can have upon engineering with rocks and soils, and upon designing, analysing and executing an engineered response to the geological and geomorphological processes acting on them; these subjects form the essence of Engineering Geology. The text is written for students of the subject, either geologists or engineers, who encounter the challenge of idealising the ground and its processes for the purposes of design and of quantifying them for the purpose of analysis. With this in mind the book describes how geology can dictate the design of ground investigations, influence the interpretation of its findings, and be incorporated into design and analysis. The reader is constantly reminded of basic geology; the "simple" things that constitute the "big picture", a neglect of which may cause design and analyses to be at fault, and construction not to function as it should.

Second Edition Elsevier

The concept of food and nutrition security has evolved and risen to the top of the international policy

agenda over the last decade. Yet it is a complex and multi-faceted issue, requiring a broad and interdisciplinary perspective for full understanding. This Handbook represents the most comprehensive compilation of our current knowledge of food and nutrition security from a global perspective. It is organized to reflect the wide scope of the contents, its four sections corresponding to the accepted current definitional frameworks prevailing in the work of multilateral agencies and mainstream scholarship. The first section addresses the struggles and progression of ideas and debates about the subject in recent years. The other sections focus on three key themes: how food has been, is and should be made available, including by improvements in agricultural productivity; the ways in which politico-economic and social arenas have shaped access to food; and the effects of food and nutrition systems in addressing human health, known as food utilisation. Overall, the volume synthesizes a vast field of information drawn from agriculture, soil science, climatology, economics, sociology, human and physical geography, the nutrition and health sciences, environmental science and development studies.

Solutions Manual to Accompany Engineering Economics for Capital Investment Analysis Momentum Press

This work offers a concise, but in-depth coverage of all fundamental topics of engineering economics.

Engineering Economics 4/E Springer Science & Business Media

Gain Confidence in Modeling Techniques Used for Complicated Bridge Structures Bridge structures vary considerably in form, size, complexity, and importance. The methods for their computational analysis and design range from approximate to refined analyses, and rapidly improving computer technology has made the more refined and complex methods of ana

Methods of Environmental and Social Impact Assessment McGraw-Hill College

This comprehensive text on Quality Management provides ways and means of delivering efficient and effective production/services quality to utmost satisfaction of the customers. Comprising 20 chapters, the book explains the concepts and techniques of quality management supported with related case studies. Numerical examples given in each chapter help students to understand the concept easily. Primarily designed for MBA, ME/MTech (Industrial Engineering, Production Engineering), BE/BTech (Mechanical Engineering and Production Engineering) and MSc (Operations Research and Statistical Quality Control), the book also serves as a reference for professionals/consultants to carryout projects in quality domain for manufacturing or service organisations. **KEY FEATURES OF THE BOOK** • Detailed coverage of process and statistical quality control • Chapters on ANOVA, orthogonal arrays and signal-to-noise ratio • A chapter on Six Sigma including Shainin techniques • A chapter on Analytical Hierarchy Process (AHP) • Presentation of Design of Experiments (DOE) techniques Audience • MBA • ME/MTech (Industrial Engineering, Production Engineering) • BE/BTech (Mechanical Engineering and Production Engineering) • MSc (Operations Research and Statistical Quality Control)

(in S.I. Units) CRC Press

Designed primarily as a text for the undergraduate and postgraduate students of industrial engineering, chemical engineering, production engineering, mechanical engineering, and quality engineering and management, it covers fundamentals as well as advanced concepts of Design of Experiments. The text is written in a way that helps students to independently design industrial experiments and to analyze for the inferences. Written in an easy-to-read style, it discusses different experimental design techniques such as completely randomized design, randomized complete block design and Latin square design. Besides this, the book also covers 2², 2³, and 3ⁿ factorial experiments; two-stage, three-stage and mixed design with nested factors and factorial factors; different methods of orthogonal array design; and multivariate analysis of variance (MANOVA) for one-way MANOVA and factorial MANOVA. **KEY FEATURES** : Case Studies to illustrate the concepts and techniques Chapter end questions on prototype reality problems Yates algorithm for 2ⁿ factorial experiments Answers to Selected Questions

Engineering Economy PHI Learning Pvt. Ltd.

Designed as a text for undergraduate students (B.Tech./B.E.) of Computer Science and Engineering and IT, Mechanical Engineering and Mechatronics Engineering, and postgraduate students (M.Tech./M.E., M.Sc.) of Computer Science and Engineering and IT and Industrial Engineering, as well as for Bachelor and Master of Computer Applications (BCA/MCA), this well-organized book gives an in-depth analysis of the concepts of system simulation modelling and simulation languages. The book provides detailed discussions on the fundamental and advanced concepts of simulation. The book begins with the concept of system and the different terminologies associated with the system. Then it presents the different methods of random number generation and their tests. Besides, the text dwells on different probability distributions and their random variates, which are used in the simulation model, and describes various simulation languages such as GPSS, Simula I, SIMSCRIPT, CSL, GASP, OPS-3, DYNAMO, SIMAN and SLAM II. Further, it gives a comprehensive coverage of different queueing systems with illustrative examples as well as the logics of simulation model for both single-server and parallel-server queueing systems. The concluding chapters deal extensively with GPSS language, Arena simulation software and ProModel simulation software. **Key Features** • Follows a step-by-step approach to derive the test results. • Gives a large number of solved examples and well-designed chapter-end questions. • Includes several real-life Case Studies to illustrate the concepts discussed.

Engineering Economic Analysis Pearson Education India

Covering detailed discussion of fundamental concepts of economics, the textbook commences with comprehensive explanation of theory of consumer behavior, utility maximization and optimal choice, profit function, cost minimization and cost function. The textbook covers methods including present worth method, future worth method, annual worth method, internal rate of return method, explicit re-investment rate of return method and payout method useful for studying economic studies. A chapter on value engineering discusses important topics such as function analysis systems techniques, the value index, value measurement techniques, innovative phase and constraints analysis in depth. It facilitates the understanding of the concepts through illustrations and solved problems. This text is the ideal resource for Indian undergraduate engineering students in the fields of mechanical engineering, computer science and engineering and electronics engineering for a course on engineering economics/engineering economy.

Project Life Cycle Economics PHI Learning Pvt. Ltd.

Best Sellers - Books :

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- [A Court Of Wings And Ruin \(a Court Of Thorns And Roses, 3\) By Sarah J. Maas](#)
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- [The Housemaid's Secret: A Totally Gripping Psychological Thriller With A Shocking Twist](#)
- [The Inmate: A Gripping Psychological Thriller](#)
- [The Ballad Of Songbirds And Snakes \(a Hunger Games Novel\) \(the Hunger Games\) By Suzanne Collins](#)

Designed as a textbook for undergraduate students in various engineering disciplines—Mechanical, Civil, Industrial Engineering, Electronics Engineer-ing and Computer Science—and for postgraduate students in Industrial Engineering and Water Resource Management, this comprehensive and well-organized book, now in its Second Edition, shows how complex economic decisions can be made from a number of given alternatives. It provides the managers not only a sound basis but also a clear-cut approach to making decisions. These decisions will ultimately result in minimizing costs and/or maximizing benefits. What is more, the book adequately illustrates the concepts with numerical problems and Indian cases. While retaining all the chapters of the previous edition, the book adds a number of topics to make it more comprehensive and more student friendly. **What's New to This Edition** • Discusses different types of costs such as average cost, recurring cost, and life cycle cost. • Deals with different types of cost estimating models, index numbers and capital allowance. • Covers the basics of nondeterministic decision making. • Describes the meaning of cash flows with probability distributions and decision making, and selection of alternatives using simulation. • Discusses the basic concepts of Accounting. This book, which is profusely illustrated with worked-out examples and a number of diagrams and tables, should prove extremely useful not only as a text but also as a reference for those offering courses in such areas as Project Management, Production Management, and Financial Management.

ENGINEERING ECONOMICS PHI Learning Pvt. Ltd.

Organized in three parts, this is a concise and reader-friendly introduction of Economics to engineering students who have no prior knowledge of the subject. But, they need to know economic tools to be able to apply them to their main field, i.e., engineering. The treatment of the subject is very simple and takes care of syllabus which is being followed at various engineering institutes. Apart from introducing main branches of Economics, the book also discusses some advance topics such as forecasting, price determination under perfect competition and monopoly, decision making, linear programming and input-output analysis. Subjects such as Operational Research and Accountancy have been discussed which are used in judging economic viability of engineering projects. However, most interesting and invigorating is the discussion on 'Elementary Engineering Economic Problems' which will help students to understand and relate application of Economics to engineering problems. Not only to engineering students, the book will also be helpful to students of science or medicine who want to appear for UPSC examination or pursue MBA programme.

TEXTBOOK OF PRODUCTION ENGINEERING John Wiley & Sons

This comprehensive text designed for MBA, MCom, MA (Economics), MA (Sociology) and PhD (Management, Commerce, Economics, and Engineering) courses continues to give complete account of concepts and statistical tools of research methodology in its Second Edition. The textbook also serves as a reference for consultants to carryout projects/consultancies in industries or service organizations. **DISTINGUISHING FEATURES OF THE BOOK** • Written in an easy to read style • Each technique is illustrated with sufficient number of numerical examples • Gives complete account of statistics and aspects of research methodology • Chapter 8 gives complete account of testing of hypotheses • Design and analysis of experiments, advanced multivariate analysis, multidimensional scaling and conjoint analysis, algorithmic research, models for industries and public systems, simulation are unique to this text. • Graded chapter-end questions **NEW TO THIS EDITION** Introduction of a chapter on SPSS (Chapter 17), is new to this edition which gives readers an idea to obtain statistics for different techniques presented in this text. The different screenshots for different modules of SPSS applied to suitable example problems on sample session for data creation, reports, descriptive statistics, tables, compare means, general linear model, correlation, simple regression, nonparametric tests, classify, data reduction and graphs help readers to understand the features of SPSS. **AUDIENCE** • MBA • MCom • MA (Economics) • MA (Sociology) and • PhD (Management, Commerce, Economics, and Engineering)

Project Management Routledge

"All aspects pertaining to algorithm design and algorithm analysis have been discussed over the chapters in this book-- Design and Analysis of Algorithms"--Resource description page.

Engineering Geology Laxmi Publications

The different investment analysis approaches require various interest formulas and their values. A fairly large problem involving different types of transactions in its cash-flows may take more time to solve it, if the students compute the values of the related interest formulas and then make substitutions in the respective expressions of the investment analysis. This book gives values of different interest factors, (F/P,i,n), (P/F,i,n), (F/A,i,n), (A/F,i,n), (P/A,i,n), (A/P,i,n) and (A/G,i,n) for different combinations of interest rate (i) and interest period (n) in the form of tables, to serve as an aid for solving problems in "Engineering Economics" in the Examination Hall. These Interest Tables can also be usefully employed for field work while doing engineering economics analysis. The tables will be useful to students of different B.Tech. programmes and to students of M.Com and M.B.A. programmes for solving different investment analysis problems.

INTEREST TABLES FOR ENGINEERING ECONOMICS New Age International

For courses in engineering and economics **Comprehensively blends engineering concepts with economic theory** Contemporary Engineering Economics teaches engineers how to make smart financial decisions in an effort to create economical products. As design and manufacturing become an integral part of engineers' work, they are required to make more and more decisions regarding money. The Sixth Edition helps students think like the 21st century engineer who is able to incorporate elements of science, engineering, design, and economics into his or her products. This text comprehensively integrates economic theory with principles of engineering, helping students build sound skills in financial project analysis. MyEngineeringLab™ not included. Students, if MyEngineeringLab is a recommended/mandatory component of the course, please ask your instructor for the correct ISBN and course ID. MyEngineeringLab should only be purchased when required by an instructor. Instructors, contact your Pearson representative for more information. MyEngineeringLab is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them better absorb course material and understand difficult concepts. Instructors can choose from a wide range of assignment options, including time limits, proctoring, and maximum number of attempts allowed. The bottom line: MyEngineeringLab means less time grading and more time teaching.

• [Young Forever: The Secrets To Living Your Longest, Healthiest Life \(the Dr. Hyman Library, 11\) By Dr. Mark Hyman Md](#)