

Syllabus Civil Engineering Pune University

Project Planning and Control with PERT & CPM
 Financial Accounting (Part - I)
 Basics of Civil Engineering
 Surveying - II (S.E. Civil - Semester II - Nmu)
 EBOOK: Foundations of Problem-based Learning
 Engineering Mathematics-II
 Surveying Vol. I
 Basic and Applied Soil Mechanics
 Advanced Transportation
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 Vector Mechanics for Engineers
 Design of Machine Elements - I
 Systems in Mechanical Engineering
 Structural Design III
 Basic Civil and Environmental Engineering
 A Place in the Shade
 Digital Marketing
 A Textbook of Surveying for Semester-II Second Year Degree Course in Civil Engineering as Per New Revised Syllabus of Pune University
 Textbook of Surveying
 Evolution of Business
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 Medical and Psychiatric Social Workers
 PBL in Engineering Education
 Engineering Chemistry
 Strength Of Materials
 Structural Analysis
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 Information Security
 Durability Design of Concrete Structures
 Basic Civil Engineering
 ATOMIC AND MOLECULAR PHYSICS
 Project-Based Learning
 Engineering Mathematics - III
 Systems Approach in Civil Engineering
 Building Materials Technology
 Construction Management

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JOSHUA SKINNER

Project Planning and Control with PERT & CPM mukul burghate

Volume is indexed by Thomson Reuters CPCI-S (WoS). This collection, of contributions reviewed by international experts, covers: Road and Railway Engineering, Transportation Planning, Construction and Operation Organization, Modern Logistics System Planning and Optimization, Vehicle Engineering, Carrier Operation Engineering, ITS Theory and Applications, Traffic Control and Information Technology, Transportation and Social Economic Development, Low-Carbon Transportation Technology and Urban Transportation Planning and Management. It provides many valuable insights.

Financial Accounting (Part - I) Penguin Books India

The problems are judiciously selected and are given topic and section-wise. The approach is straight forward and step-by-step solutions are elaborately provided. More importantly the relevant formulas used for solving the problems can be located in the beginning of each chapter. There are number of diagrams for illustration. Chapter 1 in the book is devoted to Atomic Structure. Chapter 2 is basically concerned One Valence Electron Systems. Chapter 3 is concerned with Two Valence Electron Systems. Chapter 4 is basically related to Zeeman Effect. Chapter 5 is related to X-Ray Spectroscopy. Chapter 6 is concerned with Molecular Spectroscopy and Chapter 7 dealt with Raman Spectroscopy.

Basics of Civil Engineering Corwin Press

Similar to operations management, project management employs an array of quantitative techniques while performing planning, scheduling, forecasting, and monitoring tasks. The main purpose of the quantitative approach is to make an optimal decision by using mathematical and statistical models in a situation when the probability of all outcomes is uncertain. Quantitative approach to decision-making produces the best results when the problem is clearly defined, several alternatives exist, and decision outcomes are easily measurable. However, in the case that many external factors are outside of the decision-maker's control and their probability is unknown, the quantitative methods can become unreliable. The purpose of this study Material is to present an introduction to the subjects of MBA Semester-I. The contents of this text will also cater to the students of courses like DFM, DMM, M.Com and B.Com, etc. The book contains the syllabus from basics of the subjects going into the intricacies of the subjects. All the concepts have been explained with relevant examples and diagrams to make it interesting for the readers. An attempt is

made here by the experts author to assist the students by way of providing Study Material as per the curriculum with no commercial considerations. However, it is implicit that these are exam-oriented Study Material only and students are advised to attend regular classes and utilize reference books available in the library for In-depth knowledge. We owe to many websites and their free contents; we would like to specially acknowledge contents of website www.wikipedia.com and various authors whose writings formed the basis for this book. We acknowledge our thanks to them. At the end we would like to say that there is always a room for improvement in whatever we do. We would appreciate any suggestions regarding this study material from the readers so that the contents can be made more interesting and meaningful. Dr. Mukul Burghate Author
Surveying - II (S.E. Civil - Semester II - Nmu) New Age International

1 Linear differential equations with constant coefficients 2 Simultaneous linear Differential Equations 3 Applications of Differential Equations 4 System of linear equations 5 Numerical solution of ordinary differential equations 6 Statistics correlation and regression 7 Probability and probability distributions 8 Vector algebra 9 Vector differentiation 10 Vector integration 11 Application of vectors to fluid mechanics 12 Application of partial differential equations

EBOOK: Foundations of Problem-based Learning mukul burghate While writing the book, we have continuously kept in mind the examination requirements of the students preparing for U.P.S.C.(Engg. Services) and A.M.I.E.(I) examinations. In order to make this volume more useful for them, complete solutions of their examination papers up to 1975 have also been included. Every care has been taken to make this treatise as self-explanatory as possible. The subject matter has been amply illustrated by incorporating a good number of solved, unsolved and well graded examples of almost every variety.

Engineering Mathematics-II Firewall Media

Since their publication nearly 40 years ago, Beer and Johnston's Vector Mechanics for Engineers books have set the standard for presenting statics and dynamics to beginning engineering students. The New Media Versions of these classic books combine the power of cutting-edge software and multimedia with Beer and Johnston's unsurpassed text coverage. The package is also enhanced by a new problems supplement. For more details about the new media and problems supplement package components, see the New to this Edition section below.

Surveying Vol. I Springer

This book, about international contracting and contract management, is written from the angle of the contractor and discussed from an international perspective. It comments on real-

life cases, taken from various kinds of projects: infrastructural works (roads, bridges, tunnels, rail roads), wind- and sunfarms, oil and gas installations, such as platforms, pipe lines, power generating works, and large buildings. The book is structured around the contracting cycle. Chapters include dealing with the role of the contractor in international contracting, the tender process, landing and negotiating the contract, types of contract, problems that may occur during project execution, project delivery, and handling guarantee claims. Written primarily for business practitioners operating in the international contracting industry, the title assumes that the reader will have a basic understanding and knowledge of theories related to project management, construction engineering, business law and economics. Though not an academic book, due to its unique blend of practitioners' insight and academic theory, it can be taught in courses at institutes at the master level. As most engineers are going to deal with contracts, this book is specifically recommended for engineering programs both at the graduate and postgraduate level. Lawyers will find the book useful to understand the business context in which their customers and/or colleagues work.

Basic and Applied Soil Mechanics McGraw-Hill Science, Engineering & Mathematics

"This book closes a gap in the PBL literature. It is a thoroughly researched, well documented and engagingly written three part harmony addressing conceptual frames, recurring themes, and broadening horizons. An essential addition to your library." Professor Karl A. Smith, University of Minnesota "...a comprehensive guide for those new to PBL, and suitable for those new to teaching or for the more experienced looking for a new challenge." Dr Liz Beaty, Director (Learning and Teaching), HEFCE "This book vividly articulates the key ideas of PBL and provides new PBL practitioners with key guiding posts for its implementation. It is an excellent contribution to the art of using PBL." Associate Professor Oon-Seng Tan, Nanyang Technological University, Singapore ·What is problem-based learning? ·How can it be used in teaching? ·How does problem-based learning affect staff and students? ·How do we assess and evaluate it? Despite the growth in the use of problem-based learning since it was first popularised, there have been no resources to examine the foundations of the approach and offer straightforward guidance to those wishing to explore, understand, and implement it. This book describes the theoretical foundations of problem-based learning and is a practical source for staff wanting to implement it. The book is designed as a text that not only explores the foundations of problem-based learning but also answers many of the frequently-asked questions about its use. It has also been designed to develop the reader's understanding beyond

implementation, including issues such as academic development, cultural, diversity, assessment, evaluation and curricular models of problem-based learning. Foundations of Problem-based Learning is a vital resource for lecturers in all disciplines who want to understand problem-based learning and implement it effectively in their teaching.

Advanced Transportation New Age International
Indian cities are mechanisms for social engineering—more powerful than anything we have seen before. They will transform this country. A Place in the Shade explores architectural and urban issues in India, from the house as a machine for dealing with our often hostile climate, to the metaphysical role of architecture as a Model of the Cosmos. This reflective, provocative and consistently readable collection of essays argues that our habitat must respond to the overriding parameters of climate, culture and financial resources and that our physical environment should accommodate notions of inclusion and diversity, and that priceless quality of synergy which characterizes a city. Charles Correa identifies the defining issues of the urbanization process that is so rapidly transforming India. He writes, 'You cannot look at cities without wandering into architecture on the one hand and politics on the other.' Tragically, over the last few decades, urban real estate has become the primary source of financing for political parties and the politicians who run them. But our towns and cities are assets too precious to be squandered in this manner. Like the wheat fields of Punjab and the coal fields of Bihar, cities are a crucial part of our national wealth. Their success—or their failure—will determine our future. Indian cities are mechanisms for social engineering more powerful than anything we have seen before. They will transform this country. A Place in the Shade explores architectural and urban issues in India, from the house as a machine for dealing with our often hostile climate, to the metaphysical role of architecture as a Model of the Cosmos.

Entrepreneurship Development McGraw-Hill Companies
About the Book: This book Engineering Mathematics-II is designed as a self-contained, comprehensive classroom text for the second semester B.E. Classes of Visveswaraiah Technological University as per the Revised new Syllabus. The topics included are Differential Calculus, Integral Calculus and Vector Integration, Differential Equations and Laplace Transforms. The book is written in a simple way and is accompanied with explanatory figures. All this make the students enjoy the subject while they learn. Inclusion of selected exercises and problems make the book educational in nature. It shou.

Vector Mechanics for Engineers Trans Tech Publications Ltd
Mechanical engineering, as its name suggests, deals with the mechanics of operation of mechanical systems. This is the branch of engineering which includes design, manufacturing, analysis and maintenance of mechanical systems. It combines engineering physics and mathematics principles with material science to design, analyse, manufacture and maintain mechanical systems. This book covers the field requires an understanding of core areas including thermodynamics, material science, manufacturing, energy conversion systems, power transmission systems and mechanisms. This book includes basic knowledge of various mechanical systems used in day to day life. My hope is that this book, through its careful explanations of concepts, practical examples and figures bridges the gap between knowledge and proper application of that knowledge.

Design of Machine Elements - I Universities Press
Unit I Simple stresses and strains Unit II Shear force and bending moment diagrams Unit III Stresses in machine elements Unit IV Slope and deflection of beams and strain energy Unit V torsion and buckling of columns Unit VI Principal stresses and strain and theories of elastic failure

Systems in Mechanical Engineering Technical Publications
Concrete structures can be designed for durability by applying the principles and procedures of reliability theory combined with traditional structural design. This book is the first systematic attempt to introduce into structural design a general theory of structural reliability and existing calculation models for common degradation processes. It

Structural Design III mukul burghate
Turbo machines, in mechanical engineering, describes machines that transfer energy between rotor and fluid, including turbines, pumps and compressors. While turbine transfers energy from fluid

to rotor and compressor and a pump transfers energy from rotor to fluid. Turbo machine is a power or a head generating machine which employs the dynamic action of a rotating element, the rotor; the action of the rotor changes the energy level of the continuously flowing fluid through the machine. The majority of turbo machines run at comparatively higher speeds without any mechanical problems and high volumetric efficiency. Turbo machines can be categorised on the basis of the nature of flow path through the passage of the rotor. The same fundamentals are applicable to all turbo machines, certainly there are significant differences between these machines. In this book SI unit system is followed. Our hope is that this book, through its careful explanations of concepts, practical examples and figures bridges the gap between knowledge and proper application of that knowledge.

Basic Civil and Environmental Engineering CRC Press
This Volume Is One Of The Two Which Offer A Comprehensive Course In Those Parts Of Theory And Practice Of Plane And Geodetic Surveying That Are Most Commonly Used By Civil Engineers. The First Volume Covers In 24 Chapters, The Most Common Surveying Operations. Each Topic Introduced Is Thoroughly Described, The Theory Is Rigorously Developed, And A Large Number Of Numerical Examples Are Included To Illustrate Its Application. General Statements Of Important Principles And Methods Are Almost Invariably Given By Practical Illustration. Apart From Illustrations Of Old And Conventional Instruments, Emphasis Has Been Placed On New Or Modern Instruments, Both For Ordinary As Well As Precise Work. A Good Deal Of Space Has Been Given To Instrumental Adjustments With Thorough Discussion Of Geometrical Principles In Each Case. Many New Advanced Problems Have Also Been Added Which Will Prove Useful For Competitive Examinations.

A Place in the Shade Technical Publications
Basic And Applied Soil Mechanics Is Intended For Use As An Up-To-Date Text For The Two-Course Sequence Of Soil Mechanics And Foundation Engineering Offered To Undergraduate Civil Engineering Students. It Provides A Modern Coverage Of The Engineering Properties Of Soils And Makes Extensive Reference To The Indian Standard Codes Of Practice While Discussing Practices In Foundation Engineering. Some Topics Of Special Interest, Like The Schmertmann Procedure For Extrapolation Of Field Compressibility, Determination Of Secondary Compression, Lambes Stress - Path Concept, Pressure Meter Testing And Foundation Practices On Expansive Soils Including Certain Widespread Myths, Find A Place In The Text. The Book Includes Over 160 Fully Solved Examples, Which Are Designed To Illustrate The Application Of The Principles Of Soil Mechanics In Practical Situations. Extensive Use Of Si Units, Side By Side With Other Mixed Units, Makes It Easy For The Students As Well As Professionals Who Are Less Conversant With The Si Units, Gain Familiarity With This System Of International Usage. Inclusion Of About 160 Short-Answer Questions And Over 400 Objective Questions In The Question Bank Makes The Book Useful For Engineering Students As Well As For Those Preparing For Gate, Upsc And Other Qualifying Examinations. In Addition To Serving The Needs Of The Civil Engineering Students, The Book Will Serve As A Handy Reference For The Practising Engineers As Well.

Digital Marketing S. Chand Publishing
The term design means to plan for the construction of an object or the formulation of a plan for the satisfaction of need. The term machine design deals with the design of machines, their mechanisms and elements. Design of Machine Element (DME) may be defined as the selection of material and the dimensions for each geometrical parameter so that the element satisfies its function and undesirable effects are kept within the allowable limit. Machine elements are basic mechanical parts and features used as the building blocks of most machines. This book provides a systematic exposition of the basic concepts and techniques involved in design of machine elements. This book covers design of important mechanical elements such as shafts, couplings, springs and power screws under static load. The design of welded and threaded joints and the members subjected to fluctuating loads is also included in this book. Our hope is that this book, through its careful explanations of concepts, practical examples and figures bridges the gap between knowledge and proper application of that knowledge.

A Textbook of Surveying for Semester-II Second Year Degree Course in Civil Engineering as Per New Revised Syllabus of Pune

University Sura Books

This book presents, in SI units, the various methods and concepts of surveying, laying greater emphasis on those that are commonly used. Relevant historical aspects are given. Tracing the development of the subject and the methods. The book also gives an overview of certain advanced and modern surveying techniques such as precise traversing and levelling, aerial photogrammetry, airphoto interpretation, electronic distance measurement and remote sensing.

Textbook of Surveying mukul burghate

Digital marketing is a vast umbrella term that covers multiple areas from SEO to blog writing and distribution channels to budgets. In this textbook, we'll help you to understand the key pillars of digital marketing, enabling you to build your own digital marketing strategy to optimize advertising through online channels such as search engines, your websites, social media, email, and mobile apps. Digital marketing, also known as online marketing, refers to advertising delivered through digital channels to promote brands and connect potential customers using the internet and other forms of digital communication such as: Search engines, Websites, Social media, Email, Mobile apps, Text messaging, Web-based advertising etc. In-short, if a marketing campaign is using any of the above online media channels, it is digital marketing. Consumers today rely heavily on digital means to research products. Some 77% of customers research a brand online before engaging with it, according to HubSpot Research. Meanwhile, 51% of consumers say they use Google to research products before buying. It is in this context, a textbook on introduction to the subject of Digital Marketing is presented to the students of Management & Commerce program. The book contains the syllabus from basics of the subjects going into the complexities of the topics. All the concepts have been explained with relevant examples and diagrams to make it interesting for the readers. However, it is implicit that these are exam-oriented Study Material and students are advised to attend regular class room classes in the Institute and utilize reference books available in the library for In-depth knowledge. We owe to many websites and their free contents; we would like to specially acknowledge contents of website of IGNOU www.egyankosh.ac.in, www.wikipedia.com and various authors whose writings formed the basis for this book. We acknowledge our thanks to them. At the end we would like to say that there is always a room for improvement in whatever we do. We would appreciate any suggestions regarding this study material from the readers so that the contents can be made more interesting and meaningful. Readers can email their queries and doubts to our authors on tmcnagpur@gmail.com. We shall be glad to help you immediately. Authors: Dr. Kulbushan D. Meghe, Dr. Prashant A. Manusmare, Dr. Sachin Barve & Dr. Mukul Burghate

Evolution of Business International Journal of Commerce and Management Studies (<https://ijcams.com/>)
Modern trade and business are originated from the civilization of various stages of human beings. The basic needs of human beings are foods, clothes, medical treatment, education etc. To fulfil these needs men were involved with business from the early stage of civilization of human beings. The modern form of business comes from various stages of evolution. It is in this context, a textbook on introduction to the subject of Evolution of Business is presented to the students of Management & Commerce program. The book contains the syllabus from basics of the subjects going into the complexities of the topics. All the concepts have been explained with relevant examples and diagrams to make it interesting for the readers. However, it is implicit that these are exam-oriented Study Material and students are advised to attend regular class room classes in the Institute and utilize reference books available in the library for In-depth knowledge. We owe to many websites and their free contents; we would like to specially acknowledge contents of website of IGNOU www.egyankosh.ac.in, www.wikipedia.com and various authors whose writings formed the basis for this book. We acknowledge our thanks to them. At the end we would like to say that there is always a room for improvement in whatever we do. We would appreciate any suggestions regarding this study material from the readers so that the contents can be made more interesting and meaningful. Readers can email their queries and doubts to our authors on tmcnagpur@gmail.com. We shall be glad to help you immediately. Authors: