

Second Year Electrical Engineering Syllabus Pune University

[#Pune University Electrical Syllabus](#) [#Second Year EE Syllabus SPPU](#) [#SY Electrical Engineering](#) [#Electrical Engineering Curriculum Pune](#) [#SPPU B.E. Electrical Syllabus](#)

Explore the comprehensive Second Year Electrical Engineering Syllabus for Pune University (SPPU), detailing the subjects, coursework, and examination patterns for students pursuing their Bachelor of Engineering in Electrical. This guide provides an overview of the core topics and practical sessions designed to build a strong foundation in electrical engineering principles as mandated by Pune University.

You can browse syllabi by discipline, institution, or academic level.

We would like to thank you for your visit.

This website provides the document Second Year Ee Curriculum Sppu you have been searching for.

All visitors are welcome to download it completely free.

The authenticity of the document is guaranteed.

We only provide original content that can be trusted.

This is our way of ensuring visitor satisfaction.

Use this document to support your needs.

We are always ready to offer more useful resources in the future.

Thank you for making our website your choice.

Thousands of users seek this document in digital collections online.

You are fortunate to arrive at the correct source.

Here you can access the full version Second Year Ee Curriculum Sppu without any cost.

Fundamentals of Electrical Engineering

Basic Electrical Engineering Has Been Written As A Core Course For All Engineering Students Viz. Electronics And Communication Engineering, Computer Engineering, Civil Engineering, Mechanical Engineering Etc. Since This Course Will Normally Be Offered At The First Year Level Of Engineering, The Author Has Made Modest Effort To Give In A Concise Form. Various Features Of Basic Electrical Engineering Using Simple Language And Through Solved Examples, Avoiding The Rigorous Of Mathematics. Salient Features * Steady State Analysis Of A.C. Circuits Explained * Network Theorems Explained Using Typical Examples * Analysis Of 3-Phase Circuits And Measurement Of Power In These Circuits Explained * Measuring Instruments Like Ammeter, Voltmeter, Wattmeter And Energy Meter Described * Various Electrical Machines, Like Transformers, D.C. Machines, Single Phase And Three Phase Induction Motors, Synchronous Machines, Servomotors Have Been Described * A Brief View Of Power System Including Conventional And Nonconventional Services Of Electrical Energy Is Given * Numerous Solved Examples And Practice Problems For Thorough Grasp Of The Subject Presented * A Large Number Of Multiple-Choice Questions With Answers Given

Electrical Engineering (as Per Uptu Syllabus)

"Basic Electrical Engineering" is written exclusively for B. Tech. Second semester students of various branches as per the revised syllabus of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (RTMNU, Nagpur). Each of the important topics that help the student in learning the principles of Electrical Engineering more effectively have been included.

Basic Electrical Engineering

This Book Is Written For Use As A Textbook For The Engineering Students Of All Disciplines At The First Year Level Of The B.Tech. Programme. The Text Material Will Also Be Useful For Electrical Engineering Students At Their Second Year And Third Year Levels. It Contains Four Parts, Namely, Electrical Circuit Theory, Electromagnetism And Electrical Machines, Electrical Measuring Instruments, And Lastly The Introduction To Power Systems. This Book Also Contains A Good Number Of Solved And Unsolved Numerical Problems. At The End Of Each Chapter References Are Included For Those Interested In Pursuing A Detailed Study.

Basic Electrical Engineering Semester-II (RTM) Nagpur University

The aim of this book is to provide a consolidated text for the first year B.E. Computer Science and Engineering students and B.Tech Information Technology students of Anna University. The syllabus has been thoroughly revised for the non-semester yearly pattern by the University. The book, made up of five chapters, systematically covers the five units of the syllabus. It begins with a detailed discussion on the fundamentals of electric circuits. DC circuits, AC circuits, 3-phase circuits, resonance and the network theorems. Lecture-type presentation of the rudiments of the fundamentals in conjunction with hundreds of solved examples is the strength of this book. Magnetic circuits and various magnetic elements and their properties, with number of illustrations are presented. DC machines and transformers are further dealt with. Equivalent circuits of machines supported with the respective photographs will ease the reader to understand the concepts of machines much better. Synchronous machines and asynchronous machines and fundamentals of control systems with various practical examples and relevant worked illustrations conclude this book. A large number of numerical illustrations and diagrammatic representations make this book valuable for students and teachers.

Basic Electrical Engineering

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

Basic Electrical Engineering

Basic Electrical and Electronics Engineering: For PTU is a student-friendly, practical and example-driven book that gives students a solid foundation in the basics of electrical and electronics engineering. The contents have been tailored to exactly correspond with the requirements of the core course, Basic Electrical and Electronics Engineering, offered to the students of Punjab Technical University in their first year. A rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students.

Applied Electricity

Unlike some other reproductions of classic texts (1) We have not used OCR (Optical Character Recognition), as this leads to bad quality books with introduced typos. (2) In books where there are images such as portraits, maps, sketches etc We have endeavoured to keep the quality of these images, so they represent accurately the original artefact. Although occasionally there may be certain imperfections with these old texts, we feel they deserve to be made available for future generations to enjoy.

Basic Electrical and Electronics Engineering: For PTU

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface.

We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Exercises in Electrical Engineering

Suitable for a student taking a course in Electronics for the first time, this title explains 'what electronics is', 'what are its applications in our day-to-day life', 'what components are used in electronic circuits', 'Future trends in electronics', and more.

Applied Electricity

Excerpt from Applied Electricity: A Text-Book of Electrical Engineering for Second Year Students His book is intended as a Text-book of Electrical Engineering for second year students. I define these as students who have already become acquainted with the elementary fundamental principles and laws of Magnetism and Electricity, and who have also a knowledge of the elements of Mechanics, Heat, and Mathematics. It may seem that I am assuming too much for the average student in a Technical Institute, but if he is to gain any really useful knowledge of this subject such preliminary training is absolutely essential. My experience teaches me that students are quite prepared to devote their first year to this preliminary work when the necessity for and the subsequent advantage of it are pointed out. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

Electronics Engineering : (As Per The New Syllabus, B.Tech. I Year Of U.P. Technical University)

This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Applied Electricity

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.

Applied Electricity, a Text-Book of Electrical Engineering for Second Year Students

Basic Electrical and Electronics Engineering-II: For WBUT is a student-friendly, practical and example-driven book that gives students a solid foundation in the basics of electrical and electronics engineering. The contents have been tailored to exactly correspond with the requirements of the core course, Basic Electrical and Electronics Engineering-II, offered to the students of West Bengal University of Technology in their first year. A rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students.

Engineering Mathematics-II

Unlike some other reproductions of classic texts (1) We have not used OCR(Optical Character Recognition), as this leads to bad quality books with introduced typos. (2) In books where there are images such as portraits, maps, sketches etc We have endeavoured to keep the quality of these images, so they represent accurately the original artefact. Although occasionally there may be certain imperfections with these old texts, we feel they deserve to be made available for future generations to enjoy.

Basic Electrical and Electronics Engineering-II: For WBUT

Renewable energy refers to the energy obtained from natural sources that can be renewed at a pace that exceeds their use. Renewable sources such as sunlight and wind exhibit the characteristic of continuous replenishment. The book discusses the use of non-conventional sources of energy such as Biogas, Solar energy, Wind Energy, and Geothermal Energy. These sources are presented as potential solutions to address the increasing energy requirements in many sectors including home areas, industry, and research organizations. The book also explores significant but little-addressed subjects, including thermal design, Hydropower, Geothermal energy, Hydrogen & fuel cells, and energy efficiency. This comprehensive approach ensures that students are well-prepared for a prosperous and fulfilling professional path in the renewable energy sector. This textbook provides a detailed exploration of the basic principles behind renewable energy, effectively bridging the divide between theoretical concepts and practical applications. In an era characterized by a growing need for comprehensive and pertinent knowledge on the underlying principles and practical implementation of renewable energy, this book serves as a valuable resource for students seeking guidance.

Electrical Engineering Science: a Second Year Course

Designed to serve as a core textbook for undergraduate first year engineering students. It presents the topics of basic electrical and electronics engineering in simple, easy-to-understand language. - Fundamentals are explained with suitable examples. - Core concepts are presented through examination-oriented solved problems. - Practice problems are included at the end of each chapter for self-evaluation. - Answers to practice problems are included with detailed explanations. - Includes elaborate illustration and circuit diagrams.

Basic Electrical Engineering

Unlike some other reproductions of classic texts (1) We have not used OCR(Optical Character Recognition), as this leads to bad quality books with introduced typos. (2) In books where there are images such as portraits, maps, sketches etc We have endeavoured to keep the quality of these images, so they represent accurately the original artefact. Although occasionally there may be certain imperfections with these old texts, we feel they deserve to be made available for future generations to enjoy.

Practical Electrical Testing in Physics and Electrical Engineering; Being a Course Suitable for First and Second Year Students and Others

This book makes intelligible the wide range of electricity generating technologies available today, as well as some closely allied technologies such as energy storage. The book opens by setting the many power generation technologies in the context of global energy consumption, the development of the electricity generation industry and the economics involved in this sector. A series of chapters are each devoted to assessing the environmental and economic impact of a single technology, including conventional technologies, nuclear and renewable (such as solar, wind and hydropower). The technologies are presented in an easily digestible form. Different power generation technologies have different greenhouse gas emissions and the link between greenhouse gases and global warming is a highly topical environmental and political issue. With developed nations worldwide looking to reduce their emissions of carbon dioxide, it is becoming increasingly important to explore the effectiveness of a mix of energy generation technologies. Power Generation Technologies gives a clear, unbiased review and comparison of the different types of power generation technologies available. In the light of the Kyoto protocol and OSPAR updates, Power Generation Technologies will provide an invaluable reference text for power generation planners, facility managers, consultants, policy makers and economists, as well as students and lecturers of related Engineering courses. · Provides a unique comparison of a wide range of power generation technologies - conventional, nuclear and renewable · Describes the workings and

environmental impact of each technology · Evaluates the economic viability of each different power generation system

Fundamentals Of Renewable Energy Conservation And Technology

Python Programming is designed as a textbook to fulfil the requirements of the first-level course in Python programming. It is suited for undergraduate degree students of computer science engineering, IT as well as computer applications. This book will enable students to apply the Python programming concepts in solving real-world problems. The book begins with an introduction to computers, problem solving approaches, programming languages, object oriented programming, and Python programming. Separate chapters dealing with the important constructs of Python language such as control statements, functions, strings, files, data structures, classes and objects, inheritance, operator overloading, and exceptions are provided in the book.

Basic Electrical and Electronics Engineering

This self-confessed introduction provides technical administrators and managers with a broad, practical overview of the subject and gives researchers working in different areas an appreciation of developments in nanotechnology outside their own fields of expertise.

The Electrical Engineering

The fourth edition of this highly readable and well-received book presents the subject of measurement and instrumentation systems as an integrated and coherent text suitable for a one-semester course for undergraduate students of Instrumentation Engineering, as well as for instrumentation course/paper for Electrical/Electronics disciplines. Modern scientific world requires an increasing number of complex measurements and instruments. The subject matter of this well-planned text is designed to ensure that the students gain a thorough understanding of the concepts and principles of measurement of physical quantities and the related transducers and instruments. This edition retains all the features of its previous editions viz. plenty of worked-out examples, review questions culled from examination papers of various universities for practice and the solutions to numerical problems and other additional information in appendices. NEW TO THIS EDITION Besides the inclusion of a new chapter on Hazardous Areas and Instrumentation(Chapter 15), various new sections have been added and existing sections modified in the following chapters: Chapter 3 Linearisation and Spline interpolation Chapter 5 Classifications of transducers, Hall effect, Piezoresistivity, Surface acoustic waves, Optical effects (This chapter has been thoroughly modified) Chapter 6 Proximity sensors Chapter 8 Hall effect and Saw transducers Chapter 9 Proving ring, Prony brake, Industrial weighing systems, Tachometers Chapter 10 ITS-90, SAW thermometer Chapter 12 Glass gauge, Level switches, Zero suppression and Zero elevation, Level switches Chapter 13 The section on ISFET has been modified substantially

The Elements of Electrical Engineering

Materials Science for Engineering Students offers students of introductory materials science and engineering, and their instructors, a fresh perspective on the rapidly evolving world of advanced engineering materials. This new, concise text takes a more contemporary approach to materials science than the more traditional books in this subject, with a special emphasis on using an inductive method to first introduce materials and their particular properties and then to explain the underlying physical and chemical phenomena responsible for those properties. The text pays particular attention to the newer classes of materials, such as ceramics, polymers and composites, and treats them as part of two essential classes – structural materials and functional materials – rather than the traditional method of emphasizing structural materials alone. This book is recommended for second and third year engineering students taking a required one- or two-semester sequence in introductory materials science and engineering as well as graduate-level students in materials, electrical, chemical and manufacturing engineering who need to take this as a core prerequisite. Presents balanced coverage of both structural and functional materials Types of materials are introduced first, followed by explanation of physical and chemical phenomena that drive their specific properties Strong focus on engineering applications of materials The first materials science text to include a whole chapter devoted to batteries Provides clear, mathematically simple explanations of basic chemistry and physics underlying materials properties

Power Generation Technologies

1 Elementary Concepts 2 Magnetic Circuits 3 Electromagnetic Induction 4 Single Phase Transformers 5 Electrostatics 6 A C fundamentals 7 Single Phase A C circuits 8 Three Phase A C Circuits 9 D C Circuits Appendix

A Textbook of Electrical Engineering

Highlighting The Physics And Engineering Aspects Of Energy Conversion Systems, This Book Presents An Exhaustive Exposition Of Both Conventional And Non-Conventional Conversion Systems. * Presents A Detailed Description Of Nuclear And Photovoltaic Power. * Discusses Magneto Hydrodynamics, Wind And Ocean Energy, Fossil Fuel And Hydroelectric Power. * Explains Coal Gasification, Biomass And Geothermal Energy, Thermo-Electric Converters And Fuel Cells. * Also Explains Problems Of Cogeneration And Energy Storage. * Highlights The Global Energy Scenario And The Environmental Effects Of Various Energy Conversion Systems. * Illustrative Examples Are Provided Throughout The Book. Review And Multiple Choice Questions And Practice Problems Are Provided At The End Each Chapter. With Its Comprehensive Coverage And Systematic Presentation, This Is An Essential Text For Electrical Engineering Students. Practising Engineers Would Also Find This Book Extremely Useful As A Reference Source.

Basic Electrical Engineering

“Principles of Power System” is a comprehensive textbook for students of engineering. It also caters to the requirements of those readers who wish to increase their knowledge and gain a sound grounding in power systems as a whole. Twenty six chapters succinctly sum up the subject with topics such as Supply and Distribution Systems, Fault Calculations (Symmetrical and Unsymmetrical), Voltage Control, Fuses and Circuit Breakers giving the learner an understanding of the subject and an orientation to apply the knowledge gained in real world problem solving. A book which has seen, foreseen and incorporated changes in the subject for more than 30 years, it continues to be one of the most sought after texts by the students.

Basic Electrical & Electronics Engineering

Learn to code like a professional with Python – an open source, versatile, and powerful programming language About This Book Learn the fundamentals of programming with Python – one of the best languages ever created Develop a strong set of programming skills that you will be able to express in any situation, on every platform, thanks to Python's portability Create outstanding applications of all kind, from websites to scripting, and from GUIs to data science Who This Book Is For Python is the most popular introductory teaching language in U.S. top computer science universities, so if you are new to software development, or maybe you have little experience, and would like to start off on the right foot, then this language and this book are what you need. Its amazing design and portability will help you become productive regardless of the environment you choose to work with. What You Will Learn Get Python up and running on Windows, Mac, and Linux in no time Grasp the fundamental concepts of coding, along with the basics of data structures and control flow. Write elegant, reusable, and efficient code in any situation Understand when to use the functional or the object oriented programming approach Create bulletproof, reliable software by writing tests to support your code Explore examples of GUIs, scripting, data science and web applications Learn to be independent, capable of fetching any resource you need, as well as dig deeper In Detail Learning Python has a dynamic and varied nature. It reads easily and lays a good foundation for those who are interested in digging deeper. It has a practical and example-oriented approach through which both the introductory and the advanced topics are explained. Starting with the fundamentals of programming and Python, it ends by exploring very different topics, like GUIs, web apps and data science. The book takes you all the way to creating a fully fledged application. The book begins by exploring the essentials of programming, data structures and teaches you how to manipulate them. It then moves on to controlling the flow of a program and writing reusable and error proof code. You will then explore different programming paradigms that will allow you to find the best approach to any situation, and also learn how to perform performance optimization as well as effective debugging. Throughout, the book steers you through the various types of applications, and it concludes with a complete mini website built upon all the concepts that you learned. Style and approach This book is an easy-to-follow guide that will take you from a novice to the proficient level at a comfortable pace, using a lot of simple but effective examples. Each topic is explained thoroughly, and pointers are left for the more inquisitive readers to dig deeper and expand their knowledge.

Electrical engineering handbook

This accessible text, now in its Second Edition, continues to provide a comprehensive coverage of electric power generation, transmission and distribution, including the operation and management of different systems in these areas. It gives an overview of the basic principles of electrical engineering and load characteristics and provides exhaustive system-level description of several power plants, such as thermal, electric, nuclear and gas power plants. The book fully explores the basic theory and also covers emerging concepts and technologies. The conventional topics of transmission subsystem including HVDC transmission are also discussed, along with an introduction to new technologies in power transmission and control such as Flexible AC Transmission Systems (FACTS). Numerous solved examples, inter-spersed throughout, illustrate the concepts discussed. What is New to This Edition : Provides two new chapters on Diesel Engine Power Plants and Power System Restructuring to make the students aware of the changes taking place in the power system industry. Includes more solved and unsolved problems in each chapter to enhance the problem solving skills of the students. Primarily designed as a text for the undergraduate students of electrical engineering, the book should also be of great value to power system engineers.

Python Programming

ELECTRICAL ESTIMATION AND CONTRACTING (22627)