

Tybsc Maths Syllabus

Extraction Chromatography
 Basic Multivariable Calculus
 Mathematics for Economics and Finance
 Schaum's Outline of Group Theory
 Calculus
 INSTRUMENTATION SYSTEMS (2 Credits) Electronics (For Computer Science)
 Basic Abstract Algebra
 Advanced Engineering Mathematics
 ELECTRICITY AND MAGNETISM (2 Credits) Physics
 CALCULUS -- II [2 Credits] Mathematics
 FUNDAMENTALS OF DIGITAL ELECTRONICS (2 Credits) Electronic Science
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 LINEAR ALGEBRA (2 Credits) Mathematics
 Complex Analysis
 Elementary Differential Equations with Boundary Value Problems
 Methods of Real Analysis
 College Practical Chemistry
 The Book of R
 LINEAR ALGEBRA
 Operations Research
 Basic Real Analysis
 University Algebra
 A First Course in Mathematical Analysis
 Graph Theory with Applications
 Introduction to C Programming
 Spacetime Physics
 Engineering Mathematics - II
 A Foundation Course in Mathematics
 Topics in Algebra
 Business Mathematics
 Elementary Analysis
 An Introduction to Nanoscience and Nanotechnology
 PLANT LIFE AND UTILIZATION--II [2 Credits]
 Foundations of Data Science
 Calculus of Several Variables
 CALCULUS - II
 Principles of Compiler Design
 LINEAR ALGEBRA
 MICROBIOLOGY (PAPER--II) MICROBIAL CULTIVATION & GROWTH [2 Credits]
 Topology of Metric Spaces

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SHILOH LIVIA

Extraction Chromatography McGraw Hill Professional
 Intends to serve as a textbook in Real Analysis at the Advanced Calculus level. This book includes topics like Field of real numbers, Foundation of calculus, Compactness, Connectedness, Riemann integration, Fourier series, Calculus of several variables and Multiple integrals are presented systematically with diagrams and illustrations.
Basic Multivariable Calculus No Starch Press
 Extraction Chromatography
Mathematics for Economics and Finance Cambridge University Press

New edition includes extensive revisions of the material on finite groups and Galois Theory. New problems added throughout. *Schaum's Outline of Group Theory* Thomson Brooks/Cole
 Written in a clear and accurate language that students can understand, Trench's new book minimizes the number of explicitly stated theorems and definitions. Instead, he deals with concepts in a conversational style that engages students. He includes more than 250 illustrated, worked examples for easy reading and comprehension. One of the book's many strengths is its problems, which are of consistently high quality. Trench includes a thorough treatment of boundary-value problems and partial differential equations and has organized the book to allow instructors to select the level of technology desired. This has been

simplified by using symbols, C and L, to designate the level of technology. C problems call for computations and/or graphics, while L problems are laboratory exercises that require extensive use of technology. Informal advice on the use of technology is included in several sections and instructors who prefer not to emphasize technology can ignore these exercises without interrupting the flow of material.
Calculus Springer Science & Business Media
 Accompanying CD-ROM contains ... "a chapter on engineering statistics and probability / by N. Bali, M. Goyal, and C. Watkins."--CD-ROM label.
INSTRUMENTATION SYSTEMS (2 Credits) Electronics (For Computer Science) London : Macmillan Press
 Electronics have made tremendous

revolution in last decade. The majority of this revolution is in the digital world. Students entering in the field of Electronics should have understanding of basic fundamentals of digital electronics. This text book has been prepared keeping in mind the need of subject and syllabus specified by SPPU. The First Chapter describes basics of digital electronics which includes number system, logic gates and Boolean algebra.

Basic Abstract Algebra John Wiley & Sons

This clear, concise and highly readable text is designed for a first course in linear algebra and is intended for undergraduate courses in mathematics. It focusses throughout on geometric explanations to make the student perceive that linear algebra is nothing but analytic geometry of n dimensions. From the very start, linear algebra is presented as an extension of the theory of simultaneous linear equations and their geometric interpretation is shown to be a recurring theme of the subject. The integration of abstract algebraic concepts with the underlying geometric notions is one of the most distinguishing features of this book — designed to help students in the pursuit of multivariable calculus and differential geometry in subsequent courses. Explanations and concepts are logically presented in a conversational tone and well-constructed writing style so that students at a variety of levels can understand the material and acquire a solid foundation in the basic skills of linear algebra.

Advanced Engineering Mathematics Springer Science & Business Media

This book is written strictly according to the new revised syllabus of Savitribai Phule Pune University to be implemented from June 2019. We have taken utmost care to present the matter systematically and with proper flow of mathematical concepts. We begin the Chapter by Introduction and at the end the Summary of the Chapter is provided. We have added one significant feature: "Think Over It" in this new edition.

ELECTRICITY AND MAGNETISM (2 Credits) Physics Cambridge University Press

The Book of R is a comprehensive, beginner-friendly guide to R, the world's most popular programming language for statistical analysis. Even if you have no programming experience and little more than a grounding in the basics of mathematics, you'll find everything you need to begin using R effectively for statistical analysis. You'll start with the basics, like how to handle data and write

simple programs, before moving on to more advanced topics, like producing statistical summaries of your data and performing statistical tests and modeling. You'll even learn how to create impressive data visualizations with R's basic graphics tools and contributed packages, like ggplot2 and ggvis, as well as interactive 3D visualizations using the rgl package. Dozens of hands-on exercises (with downloadable solutions) take you from theory to practice, as you learn: -The fundamentals of programming in R, including how to write data frames, create functions, and use variables, statements, and loops -Statistical concepts like exploratory data analysis, probabilities, hypothesis tests, and regression modeling, and how to execute them in R -How to access R's thousands of functions, libraries, and data sets -How to draw valid and useful conclusions from your data -How to create publication-quality graphics of your results Combining detailed explanations with real-world examples and exercises, this book will provide you with a solid understanding of both statistics and the depth of R's functionality. Make The Book of R your doorway into the growing world of data analysis.

CALCULUS -- II [2 Credits]

Mathematics CUP Archive

Systematically develop the concepts and tools that are vital to every mathematician, whether pure or applied, aspiring or established A comprehensive treatment with a global view of the subject, emphasizing the connections between real analysis and other branches of mathematics Included throughout are many examples and hundreds of problems, and a separate 55-page section gives hints or complete solutions for most. **FUNDAMENTALS OF DIGITAL ELECTRONICS (2 Credits)** Electronic Science Jones & Bartlett Learning
This book "Plant Life and Utilization-II for Semester II, Paper I is written strictly as per the new syllabus by referring the standard reference books. So that the students will be able to understand the subject very easily. This will make their concepts very clear.

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This text book has been prepared keeping in mind the need of subject and syllabus specified by SPPU. The First chapter describes the instrumentation system, sensors, transducers and their specifications. In Second chapter, types of sensors such as temperature sensor, optical sensor, PIR sensor, ultrasonic sensor, image sensor are discussed in detail. Types of actuators such as DC

motor and stepper motor are also described in this chapter.

LINEAR ALGEBRA (2 Credits)

Mathematics New Age International

This book provides a complete abstract algebra course, enabling instructors to select the topics for use in individual classes.

Complex Analysis Nirali Prakashan

This is a textbook for a one-year course in analysis designn for students who have completed the ordinary course in elementary calculus.

Elementary Differential Equations with Boundary Value Problems Elsevier

The theory of abstract groups comes into play in an astounding number of seemingly unconnected areas like crystallography and quantum mechanics, geometry and topology, analysis and algebra, physics, chemistry and even biology. Readers need only know high school mathematics, much of which is reviewed here, to grasp this important subject. Hundreds of problems with detailed solutions illustrate the text, making important points easy to understand and remember.

Methods of Real Analysis Oxford University Press, USA

This book is written strictly according to the new revised syllabus of Savitribai Phule Pune University to be implemented from June 2019. We have taken utmost care to present the matter systematically and with proper flow of mathematical concepts. We begin the Chapter by Introduction and at the end the Summary of the Chapter is provided. We have added one significant feature: "Think Over It" in this new edition.

College Practical Chemistry Macmillan

Covers mathematical and algorithmic foundations of data science: machine learning, high-dimensional geometry, and analysis of large networks.

The Book of R Springer Science & Business Media

Written in a conversational style to impart critical and analytical thinking which will be beneficial for students of any discipline. It also gives emphasis on problem solving and proof writing skills, key aspects of learning mathematics.

LINEAR ALGEBRA PHI Learning Pvt. Ltd.

This book is based on a course Linear Algebra. We have written this book as per the revised syllabus of F.Y. B.Sc.(Computer Science) Mathematics, revised by Savitribai Phule Pune University, Pune, implemented from June 2019. Linear Algebra is the most useful subject in all branches of mathematics and it is used extensively in applied mathematics and Computer Graphics. Linear Algebra is the

study of vector spaces, which are mathematical structures used to design aircraft models. It is a bridge connecting mathematics with various branches of computer science. We study, how problems in almost every conceivable discipline can be solved using techniques of Linear Algebra.
Operations Research Alpha Science Int'l

Ltd.
"Topology of Metric Spaces gives a very streamlined development of a course in metric space topology emphasizing only the most useful concepts, concrete spaces and geometric ideas to encourage geometric thinking, to treat this as a preparatory ground for a general topology

course, to use this course as a surrogate for real analysis and to help the students gain some perspective of modern analysis." "Eminently suitable for self-study, this book may also be used as a supplementary text for courses in general (or point-set) topology so that students will acquire a lot of concrete examples of spaces and maps."--BOOK JACKET.