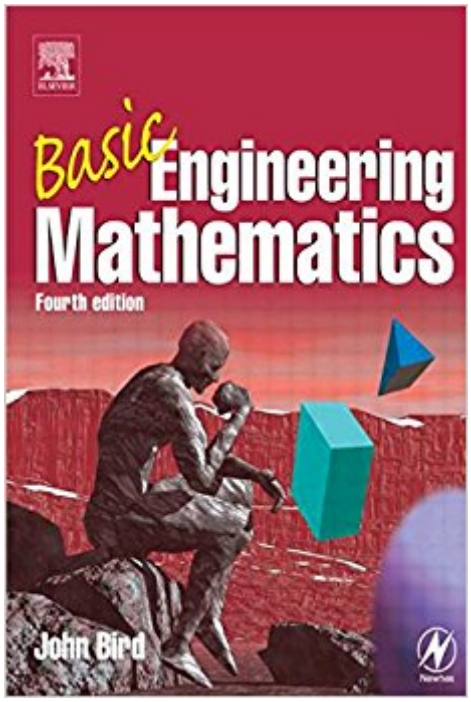
Basic Engineering Mathematics, Fourth Edition



Synopsis

Unlike most engineering maths texts, this book does not assume a firm grasp of GCSE maths, and unlike low-level general maths texts, the content is tailored specifically for the needs of engineers. The result is a unique book written for engineering students, which takes a starting point below GCSE level. Basic Engineering Mathematics is therefore ideal for students of a wide range of abilities, and especially for those who find the theoretical side of mathematics difficult.All students taking vocational engineering courses who require fundamental knowledge of mathematics for engineering and do not have prior knowledge beyond basic school mathematics, will find this book essential reading. The content has been designed primarily to meet the needs of students studying Level 2 courses, including GCSE Engineering and Intermediate GNVQ, and is matched to BTEC First specifications. However Level 3 students will also find this text to be a useful resource for getting to grips with the essential mathematics concepts needed for their study, as the compulsory topics required in BTEC National and AVCE / A Level courses are also addressed.The fourth edition incorporates new material on adding waveforms, graphs with logarithmic scales, and inequalities - key topics needed for GCSE and Level 2 study.John Bird’s approach is based on numerous worked examples, supported by 600 worked problems, followed by 1050 further problems within exercises included throughout the text. In addition, 15 Assignments are included at regular intervals. Ideal for use as tests or homework, full solutions to the Assignments are supplied in the accompanying Instructor’s Manual, available as a free download for lecturers from http://textbooks.elsevier.com. * Unique in introducing fundamental mathematics from an engineering perspective, with a starting point below GCSE level* Fully matched to BTEC First and BTEC National core unit specifications* Free instructor’s manual available to download - contains worked solutions and suggested mark scheme

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Customer Reviews

"The book is excellent for revision practises you have a full understanding of how to apply mathematical skills, it's good for learning transposition and simultaneous equations, It's worth the 4 STARS."- review of the 2nd edition by a U.K. reader (Mar 2001)

A truly introductory mathematics course written for engineering students