

## Unit 2 Communications For Engineering Technicians

Meeting the needs of those studying for the BTEC national engineering, this student textbook presents the compulsory core material in a manner that encourages the reader to explore engineering for herself or himself.

BTEC National Engineering Routledge

This volume offers basic circuit analysis for electrical engineering. It covers basic concepts and useful mathematical concepts, and includes self-evaluation exercises.

Used alongside the textbook, BTEC National Engineering 2nd edition, this DVD offers a complete course for the core units of the 2007 BTEC National specification, providing all the resources needed by a busy lecturer to deliver interesting and stimulating lessons. Units covered: Unit 1 - Business Systems for Technicians Unit 2 - Communications for Technicians Unit 3 - Engineering Project Unit 4 -

Mathematics for Technicians Unit 5 - Electrical and Electronic Principles Unit 6 - Mechanical Principles and Applications In support of these units, the DVD offers: \* Editable sample schemes of work and lesson plans \* Teaching and assessment strategies \* Fully worked solutions and sample answers to selected activities from the textbook \* Answers to all end of unit review questions from the textbook \* Ready-made assignments \* Handouts with further exercises and information for students \* Electronic files for all illustrations and tables from the book which can be integrated in lecturers' own presentations \* Link to the student website with further interactive material THIS DVD WILL RUN ON WINDOWS ONLY. Windows 2000 or higher \* 1.4 Ghz processor \* 128 MB RAM \* 4x DVD-ROM drive \* VGA Monitor supporting 800x600 at millions of colours

Engineering A Level covers each of the compulsory AS and A2 units from Edexcel in a dedicated chapter. Full coverage is given to the three units required at AS Level, and the 3 additional A2 units required for completion of the A Level award. Students following the GCE courses will find this book essential reading, as it covers all the material they will be following through the duration of their study. Knowledge-check questions and activities are included throughout, along with learning summaries, innovative 'Another View' features, and applied maths integrated alongside the appropriate areas of engineering study. All examples relate directly (and exclusively) to engineering practice, to emphasise application of theory in real-world engineering contexts. The result is a clear, straightforward and easily accessible text. The book offers a valuable insight into various areas of engineering technology and related industries, providing a potential springboard to further training, eventual progression to qualifications within higher education, or to suitable employment within the engineering sector. A companion website offers a variety of student resources providing practical assignments to supplement the material in the textbook, including using CAD / CAM, computer modelling (using spreadsheets), and Visio templates, shapes and symbols available for download. Mike Tooley is formerly Director of Learning at Brooklands College, Surrey, and is the author of many best-selling engineering and electronics books.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Includes Part 1, Number 2: Books and Pamphlets, Including Serials and Contributions to Periodicals July - December)

The aim of this book is to present the modern design principles and analysis of lens antennas. It gives graduates and RF/Microwave professionals the design insights in order to make full use of lens antennas. Why do we want to write a book in lens antennas? Because this topic has not been thoroughly publicized, its importance is underestimated. As antennas play a key role in communication systems, recent development in wireless communications would indeed benefit from the characteristics of lens antennas: low profile, and low cost etc. The major advantages of lens antennas are narrow beamwidth, high gain, low sidelobes and low noise temperature. Their structures can be more compact and weigh less than horn antennas and parabolic antennas. Lens antennas with their quasi-optical characteristics, also have low loss, particularly at near millimeter and submillimeter wavelengths where they have particular advantages. This book systematically conducts advanced and up-to-date treatment of lens antennas.

First Published in 2010. Routledge is an imprint of Taylor & Francis, an informa company.

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