

Electronic Circuits and Applications

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shielding, and analog and digital instrumentation. Thus, this book can be used as a textbook for an introductory first course in electrical engineering, as a textbook for one-semester "Electronics for Scientists and Engineers" survey course, or as a self-study primer for the professional scientist or engineer who needs additional background in the theory and practice of electronics.

Provides a broad, thorough exposure to practical electronics, enabling the student to make immediate use of electronic circuits and instruments in laboratory and research work. Integrates ideal networks, real devices and their models throughout and shows the application of electronics to engineering and scientific signal-processing problems.