

Eggleston, Dennis L. *Basic Electronics for Scientists and Engineers*. New York, NY: Cambridge University Press, 2011, 251 pp. \$65.00 (Softbound).

Ideal for a one-semester course, this concise textbook covers basic electronics for undergraduate students in science and engineering.

Beginning with basics of general circuit laws and resistor circuits to ease students into the subject, the textbook then covers a wide range of topics, from passive circuits through to semiconductor-based analog circuits and basic digital circuits. Using a balance of thorough analysis and insight, readers are shown how to work with electronic circuits and apply the techniques they have learnt. The textbook's structure makes it useful as a self-study introduction to the subject. All mathematics is kept to a suitable level, and there are several exercises throughout the book. Solutions for instructors, together with eight laboratory exercises that parallel the text, are available online at www.cambridge.org/Eggleston.

Dennis L. Eggleston is Professor of Physics at Occidental College, Los Angeles, where he teaches undergraduate courses and labs at all levels (including the course on which this textbook is based). He has also established an active research program in plasma physics and, together with his undergraduate assistants, he has designed and constructed three plasma devices which form the basis for the research program.