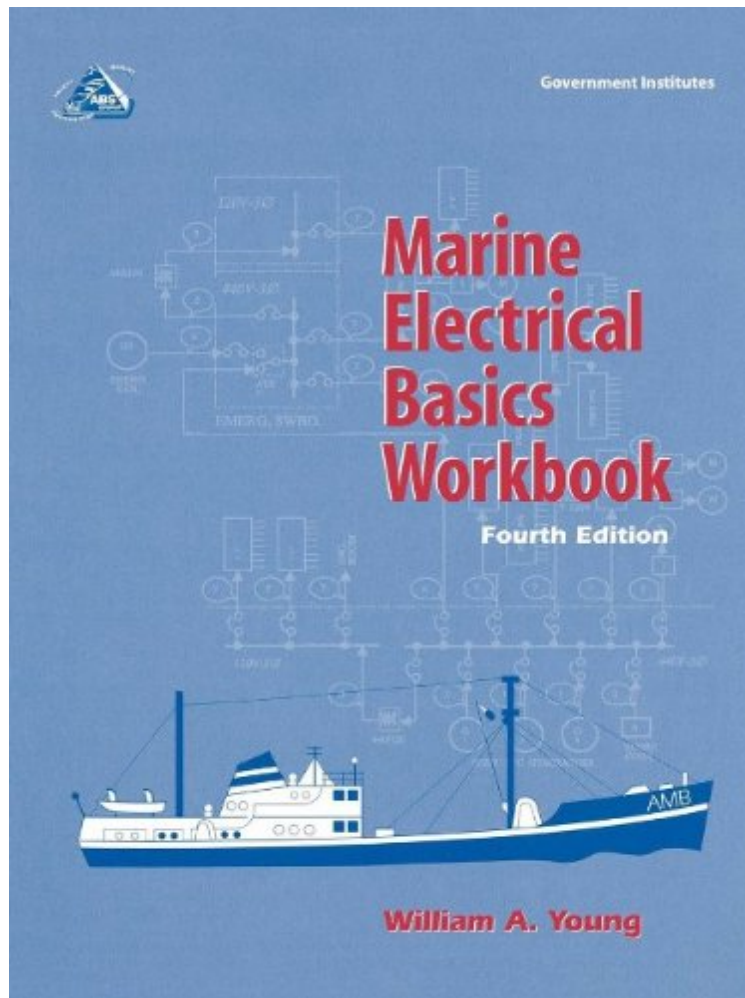


# Marine Electrical Basics Workbook

William A. Young

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**William A. Young : Marine Electrical Basics Workbook** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Marine Electrical Basics Workbook:

3 of 4 people found the following review helpful. very helpful, but already outdated By Jan E. Kutz This book was recommended by one of our engineers with an EE - he had the previous version so I bought the fourth and latest edition (written in 2000). ABS et al have been busy, and, as of May 2011, some of the formulas this book gives are already outdated. for example, in sizing a circuit breaker, the book says to multiply a motor's full load amperage by 115%. ABS regs say multiply by 250%. that's a huge difference when you're calculating circuit breakers and cable. on that note, if the fifth edition came out, I'd buy it! it gives very good practice in the nuts and bolts of designing a ship's electrical system and wiring diagrams - I'm only halfway through the lessons and I've already done an electrical one-line diagram for a vessel.

Updated with the 2000 rules, the Fourth Edition provides shipyard electricians and electrical designers with the step-by-step instruction they need to design and install electrical systems on marine installations, whether shipboard or offshore. Written for novices, this workbook offers three modules of skill level: Fundamentals, Intermediate, and Advanced. Within each module, the author provides five lessons filled with detailed outlines, diagrams, charts, formulas, examples, solutions, blank worksheets, and study guides for increased understanding. Suitable for use as either a course text or as a self-help guide, this workbook examines current rules and regulations of the American Bureau of Shipping, United States Coast Guard, National Electronic Code, and Institute of Electrical and Electronic Engineers 45. Using this information, readers will acquire a basic knowledge of task requirements, including basic ship construction as well as power-and-lighting-system building and installation. Featuring the editorial revisions of the "ABS Rules for Building and Classing Steel Vessels," this edition addresses changes made to the American Bureau of Shipping's (ABS) rules, including the re-numbering and re-organization of all section numbers. For ease-of-reference, the author includes a chart of both the new ABS rules and the old ABS rules used throughout the workbook.