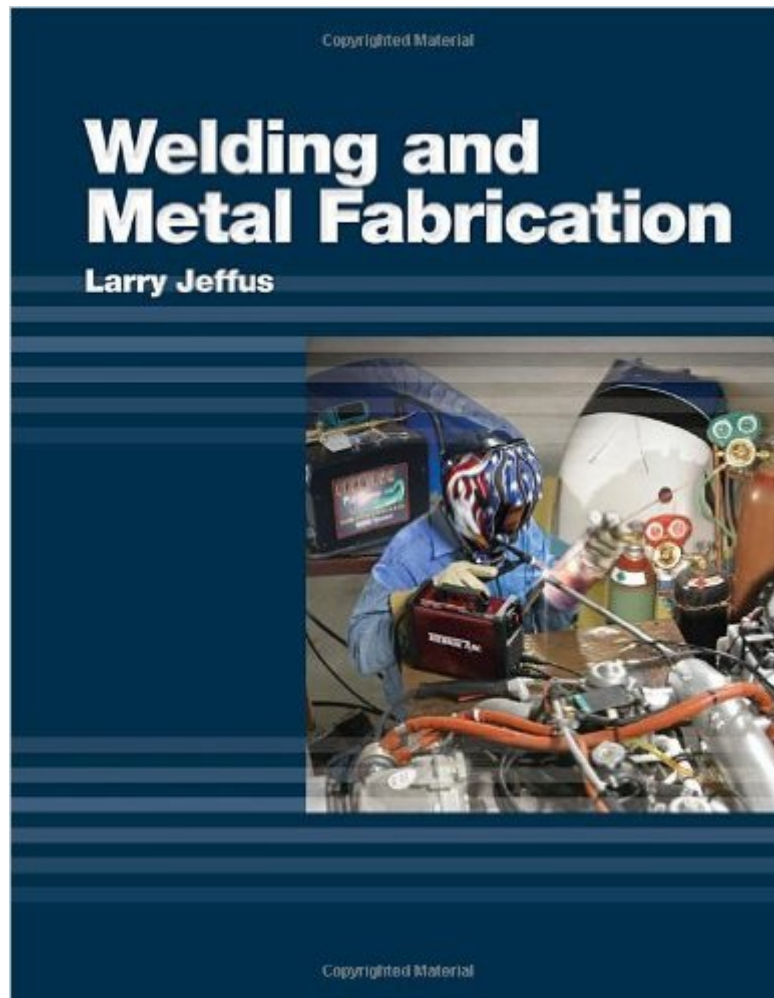


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# Welding And Metal Fabrication



## Synopsis

WELDING AND METAL FABRICATION employs a unique hands-on, project-based learning strategy to teach welding skills effectively and keep you motivated. This groundbreaking new book connects each welding technique to a useful and creative take-home project, making exercises both practical and personal--and avoiding the tedium of traditional, repetitive welding practices. To further enhance the learning process, every welding project includes a set of prints with specifications, like those used in production fabrication shops. This full-featured approach to skill-building reflects the reality of professional welding, where following prints and instructions precisely and laying out, cutting out, and assembling weldment accurately are just as essential as high-quality welding. The included projects are small to conserve materials during the learning process, but detailed instructions and abundant photos and illustrations guide you through a wide range of fabrication skills. Key steps and techniques within the small projects are also linked to larger projects presented at the end of each chapter, enabling you to apply what you have learned by fabricating and welding something more substantial. This thorough, reader-friendly book also prepares you for real-world success by covering shop math and measurement, time and material tracking, and invoicing.

## Book Information

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## Customer Reviews

I borrowed this textbook through a system that allows people to borrow books from almost any library in Michigan. On top of that, I borrowed a number of other welding textbooks. I did this because I was taking a welding class and didn't have the money to buy the textbook our class

prescribed (Welding by David J. Hoffman, Kevin R. Dahle and David J. Fisher, 2011). I was able to get the Hoffman book my class prescribed via a library eventually, but it is nowhere near as good as this textbook--Welding and Fabrication by Jeffus. In fact, I recommended it to my welding teacher and she said that was the book they previously used for the welding and fabrication program, but the program wanted to get a book that can be bought in an ebook version, so they switched. What a mistake. Plus, I don't think a single student in our program would prefer an ebook. Anyway, back to the book, this is an easy to read and understand text. It covers way more than any of the other textbooks I looked at without going on and on. It's actually fun and interesting to read--not boring at all. It covers MIG, TIG, STICK, FLUX-CORE, OXY-FUEL WELDING AND CUTTING, BRAZING AND SOLDERING, BLUE PRINT READING (excellent section), PLASMA CUTTING, and TONS of other topics that anyone who actually knows welding will be familiar with. This is the Bible of Welding. It covers everything. ALSO, I liked that after each section, a project was suggested/assigned with all the details of how to do it. No other textbook has this. Why? Don't they think people actually want to make something now that they read the ins and outs of a new welding method? I liked the weather vane project especially. "Look Inside" the book preview for a better understanding of all this book covers.

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