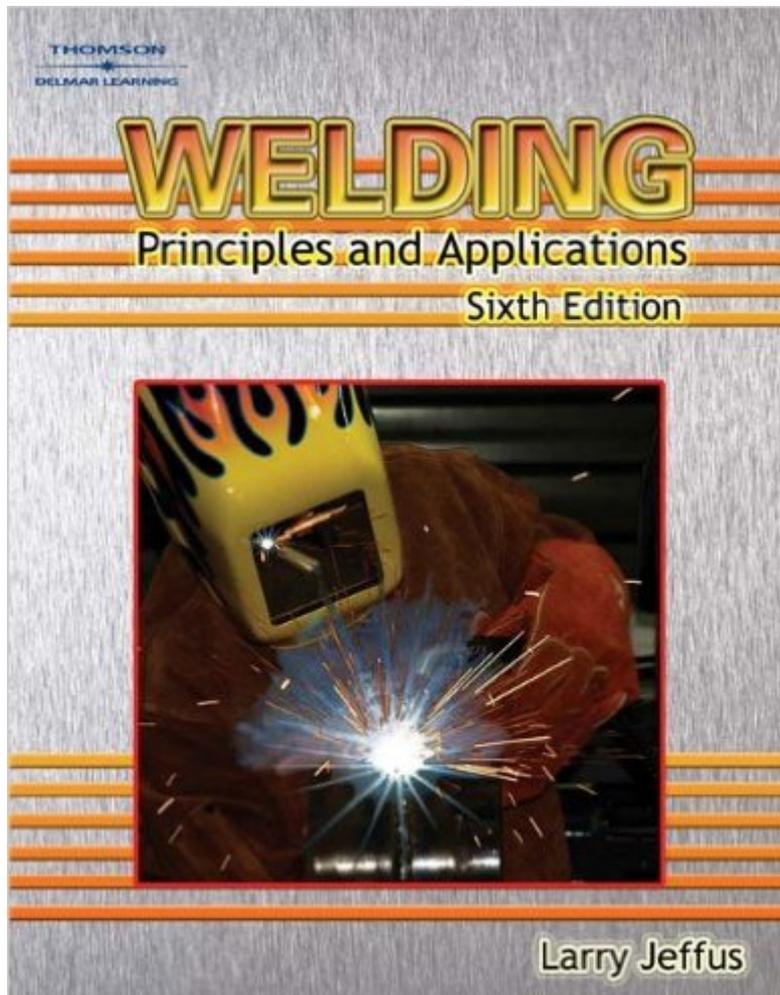


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# Welding: Principles And Applications



## Synopsis

This newly updated sixth edition of *Welding: Principles and Applications* features tight shots of actual welds to speed beginners to an understanding of a variety of different welding processes used today. Moving quickly from basic concepts to the study of today's most complex welding technologies, each section begins by introducing readers to the materials, equipment, setup procedures, and critical safety information they need to know to successfully execute a specific process. Remaining chapters in the section zero in on individual welding tasks and must-know techniques. Comprehensive coverage spans from specific welding processes to discussion of related topics, including welding metallurgy, metal fabrication, weld testing and inspection, joint design, and job costing. Objectives, key terms, review questions, lab experiments, and practice exercises in every chapter are also included to focus attention on information and skills required for success as a professional welder.

## Book Information

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Average Customer Review: 4.4 out of 5 stars [See all reviews](#) (35 customer reviews)

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## Customer Reviews

As far as I can find, this is currently the primary reference book about welding. A beginner or do-it-yourself welder (like yours truly) needs little else to get started. It is lavishly illustrated and referenced and has all of the information one needs to understand what welding is about and how to make great welds. Although this field enjoys rapid progress and significant technological development on an almost daily basis, the book has mostly up to date information as of 2010. I have

good quality AC/DC/Pulse MMA, MIG and TIG equipment and have used it very successfully over the last couple of years, even though I have only a minimum of formal training (2 semesters of 2 hours a week in a metalwork shop to make us into "real" engineers! Three decades ago!). I can testify to the value of this book in making full use of this fairly complex equipment, which requires significant investment of time and money. It presents not just dry technical data but also the experience and insight of a master welder in easily digestible form as well as the many tricks and tips needed to master a difficult manual art. I cannot comment on how useful it would be in a classroom setting but I found the questions and exercises to be quite handy for setting up the equipment and testing myself in the basic skills needed. The book is also very enjoyable and for those who are interested in this field it can provide hours and hours of entertainment. The writing is clear and precise and the layout and graphics are gorgeous. There are reams and reams of historical and anecdotal information and I would have no hesitation in placing this in a "waiting room" or "coffee table book" situation as a general good read.

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