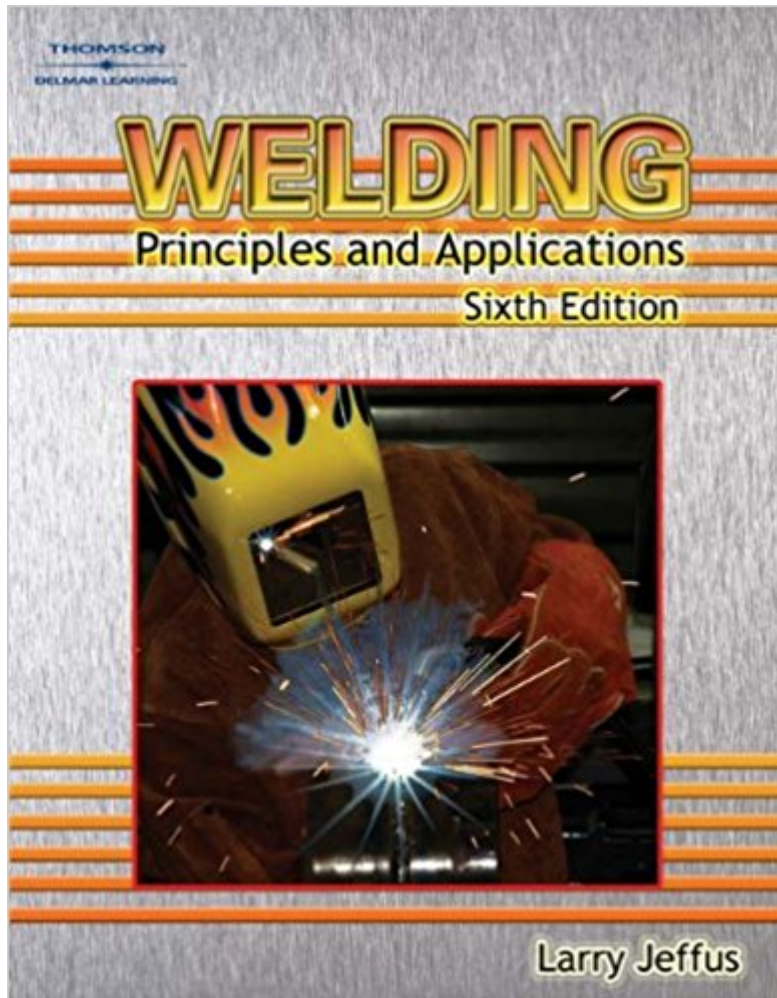




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Welding: Principles And Applications



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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Customer Reviews

Larry Jeffus is a welder with over 55 years of welding experience, and he has his own well-equipped welding shop. In his welding career he has passed many welding certification tests in a wide variety of processes, positions, and on many different material types and thicknesses. Larry has provided welding and professional consulting services locally, nationally, and internationally to major corporations, small businesses, government agencies, schools, colleges, and individuals. He is a

Life Member of the American Welding Society. Larry Jeffus has over forty years experience as a dedicated classroom teacher and is the author of several Delmar Cengage Learning welding publications. Prior to retiring from teaching, Professor Jeffus taught at Eastfield College, part of the Dallas County Community College District. Since retiring from full-time teaching, he remains very active in the welding community, especially in the field of education. He serves on several welding program technical advisory committees and has visited high school, college, and technical campuses in more than forty states and four foreign countries. Professor Jeffus was selected as Outstanding Post-Secondary Technical Educator in the State of Texas by the Texas Technical Society. Professor Jeffus has served for 12 years as a board member on the Texas Workforce Investment Council in the Texas Governor's office where he works to develop a skilled workforce and bring economic development to the state. He served as a member of the Apprenticeship Project Leadership Team where he helped establish apprenticeship training programs for Texas, and he has made numerous trips to Washington lobbying for vocational and technical education. Larry Jeffus holds a Bachelor of Science Degree and has completed post graduate studies.

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. The one quibble I have is that the

book is very USA-centric, as of course it has to be give the background of the author and the intended audience. It does however provide full metric conversions for all important values and most tables have metric columns as well as the imperial units the author is obviously used to. So this quibble should not stop potential readers from acquiring this valuable, interesting and useful book especially as at the moment one cannot find anything even approaching it in depth and quality from SI Unit countries.

This was for a welding course. Later versions might be required for current welding courses, but if you simply need a reference, this is an excellent choice.

This particular book is the text in the welding courses I have been taking this year. I wanted my own copy since the school does not let the books leave the classroom. I was impressed with the book already and wanted one of my own and found it here in the used section. Got the book for about half the price of a new one and the one I got looks like it was never opened. I have learned a lot from this book and will keep it as a reference as I progress to my welding projects. I highly recommend this book to anyone that wants to learn about welding or already knows how to weld but needs a reference book. We can't all keep the entire contents of this book in our heads. When memory fails, it's in this book. About the only thing that isn't covered in here is underwater welding procedures.

Clear and concise instructions - I'm an amateur welder and have learned so much from this book. I took classes 10+ years ago, a version of this book was our textbook; I gave the book to a loved one and really missed having it on hand. Am so glad to have found it online at a very reasonable cost and in such good condition. Thank you.

Nice textbook, but leaves out a lot of important information. You really need to take a welding course where you can ask an instructor questions and get a lot of basic info to weld safely and successfully

good book for beginner welders like myself

I'm a "moderate" beginner and needed to know more, this book is a wealth of information for me. Experience will teach me alot more but the fundamentals are explained clearly here and has helpful illustrations. The book arrived sooner than expected and was in nearly new condition- a real

bargain!

this book is almost the same as in college texts but this one is a little less expensive but I would like better blue print symbols, its ok nothing special about it that stands out to other books

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