

# WELDING

Principles and Applications

Sixth Edition

Larry Jeffus



This newly updated sixth edition of *Welding: Principles and Applications* features carefully drawn and photographed images of actual welds to help beginners understand the 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 are also included to focus attention on information and skills required for success as a professional welder.

## Features of the book

- updated to include the most current welding technologies in use today, so readers can feel confident that they are well prepared for entering today's welding field
- newly revised Companion Study Guide/Lab Manual makes it easy to gain hands-on welding practice
- updated information on Flux-Cored Steel Electrode Identification and Metal-Cored Steel Electrode Identification
- "success stories" profile real-life welders, capturing attention and motivating readers who may be considering welding as a career choice
- real-world features at the end of each chapter showcase real-life applications of the principles presented, maintaining reader interest while bridging the gap between theory and practice

## About the Author

Larry Jeffus is a dedicated teacher and author with over twenty years experience in the classroom and several Delmar Cengage Learning welding publications to his credit. He has been nominated by several colleges for the Innovator of the Year award for setting up nontraditional technical training programs. He was also selected as the Outstanding Post-Secondary Technical Educator in the State of Texas by the Texas Technical Society. Now retired from teaching he remains very active in the welding community, especially in the field of education.

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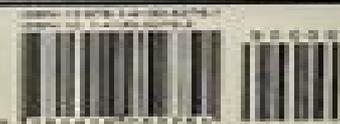
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