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Sommario/riassunto	WELDING ENGINEERING The new edition of the popular welding engineering textbook includes brand-new topics, assignments, and review questions Welding Engineering: An Introduction provides a clear and accessible overview of the concepts, tools, materials, and methods of modern welding and joining technology. With emphasis on fundamental engineering principles, this comprehensive textbook offers easy-to-understand coverage of a wide range of key topics in welding engineering, from the basics of arc welding processes to welding metallurgy, design, and safety. Concise chapters offer numerous figures, tables, images, and recommended readings to promote reader comprehension of the material. Now in its second edition, the text contains fully revised content throughout, including entirely new sections on additive manufacturing and computational modeling of welds. Updated and expanded chapters address modern arc welding power supply technology, resistance, solid-state, and high energy density welding processes, weld inspection methods, codes and standards, welding of high strength steels, and more. This edition features simple yet effective end-of-chapter assignments that enhance students' learning and assist instructors in developing assessment questions for their course. The second edition of Welding Engineering: Provides up-to-date coverage of rapidly growing techniques and technologies within the field Features new assignments and true/false questions at the end of each chapter Explains the essential concepts

and principles necessary for more in-depth courses in welding, metallurgy, and design Covers all the major welding processes used in manufacturing and fabrication Welding Engineering: An Introduction, Second Edition is an excellent textbook for undergraduate and graduate welding engineering courses taught within four-year engineering degree programs, and a valuable guide for engineers and professionals in the manufacturing industry who need to learn fundamental welding engineering concepts for their job roles.