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Occupational Safety And Health For Technologists, Engineers, And Managers (8th Edition)



Synopsis

This comprehensive, extensively updated text covers all aspects of occupational safety and health in today's global workplace. A major revision, *Occupational Safety and Health for Technologists, Engineers, and Managers*, 8e, presents new and revised regulations, emerging approaches and trends, updated statistics, and other new material of significant importance to students and practitioners in the field. Among the dozens of new topics covered: ROI for safety/health investments; Heinrich's theory; Worker's Compensation lawsuits; fall protection; hard hat ratings; PPE for cold work environments; indoor air quality investigations; fungal growth assessment; nanoscale materials; and noise reduction ratings. Clear, up-to-date, and logically sequenced, this text begins with historical perspective and overview, then covers laws and regulations; human elements; hazard assessment, prevention, and control; and key management issues. Each chapter contains case studies to promote classroom discussion; at least one safety fact or myth designed to engage students; and review questions to test mastery and promote critical thinking.

Teaching and Learning Experience

This book will help technologists, engineers, and managers quickly master today's best practices for occupational safety and health. It provides:

- The most comprehensive coverage available, fully reflecting the field's latest trends
- Thoroughly prepares students for current and future realities in the field of occupational safety and health
- Supported with exceptional pedagogical features: Includes well-crafted chapter summaries, key terms and concepts, review questions, and many boxed features
- Combines theory and principles in realistic settings: Focuses on the new challenges of occupational safety and health in global workplace environments, and the changing roles of safety/health professionals

Book Information

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Customer Reviews

This book is a good introduction into occupational safety. Some of the information, especially in the area of robotics safety and automation, is quite dated. While this book is used in some graduate programs, it is more suited for the undergraduate. Important historical items such as Chernobyl were left out while other less fatal disasters were left in, but we can forgive the author if he includes it in his next version. I would encourage the author to include references to other safety standards and more details into cumulative trauma disorders in the next volume.

I used this book in a graduate Industrial Safety Management class, and agree with reviewer David Sullivan's assessment that this book is a good general overview of occupational safety and health issues, but that it is definitely more useful at the undergraduate level. I have a decent background in this area, and found no groundbreaking insights in this text, though I do believe that people (and especially students) new to the field would find it quite useful. The book is a fairly general survey of the issues inherent to contemporary occupational safety and health, and has good general overviews of all important large-scale issues. There are errors in this book, some are small, and most are fairly excusable, though there are generalizations and errors in the Electrical Hazards chapter (Chapter 12) that are fairly egregious. I thought that Chapter 21 ("Safety Analysis, Prevention, and Management") was one of the best chapters in the book: the introduction to techniques like FMEA and FTA was good, though I would have put this chapter considerably earlier in the text. The chapter on Worker's Compensation (Chapter 5) was positively painful to read, though I doubt that there is much that can be done to make the material especially captivating. Some of the material in this book is dated, but in general I think this is a satisfactory book to be used as an introduction to occupational safety students.

This book has been great for my masters level safety class. It's very thorough, and the writer uses a lot of great examples that give you break from reading policy and process. The writer uses language that is easy to understand and explains things without going overboard. I've been able to easily relate a lot of what is in this book to my the field I'm in, which is aviation.

This book (about 67\$ incl shipp) is exactly the same as the 6th edition (11\$) and some previous

ones, and definitely the international one (53\$). The only difference is the page numbers and the chapter titles. (Intl one has diff cover) EVERYTHING else is the EXACTLY the SAME! I just saw the 6th, the international, and one other I forget in my OESM 101 class. Check with your professor before you buy! The 7th ED claims to have a bunch of new stuff and to have replaced/deleted old things but. . . Seeing is believing. Love JR Have a nice day!

The book is very good, and I first bought the Kindle edition. It's not really in the kindle format, but in the digital print format. So to read it you have to enlarge every page, but if you touch the wrong area then it bounces to someplace else, sometimes it doesn't advance to the touch, sometimes it skips back to original size, etc. Not an easy read on the Kindle, I actually had to go back and buy the 6th edition hard copy, which as others have said is identical to the 7th edition.

Some sections dated. Some redundancy and contradictions between sections. Flow of material was compromised by a sense that more effort was spent on the gathering of the information, rather than the presentation of it.

If you want an in-depth look at occupational safety and where it came from, this is the book for you. This was a course I took towards my degree and it had more than enough information about safety in the workplace. You learn in depth what to do to make changes if they are needed, how safety affects the work environment, and what to do in case you don't have all the information available to you. This textbook is definitely a keeper for future reference.

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