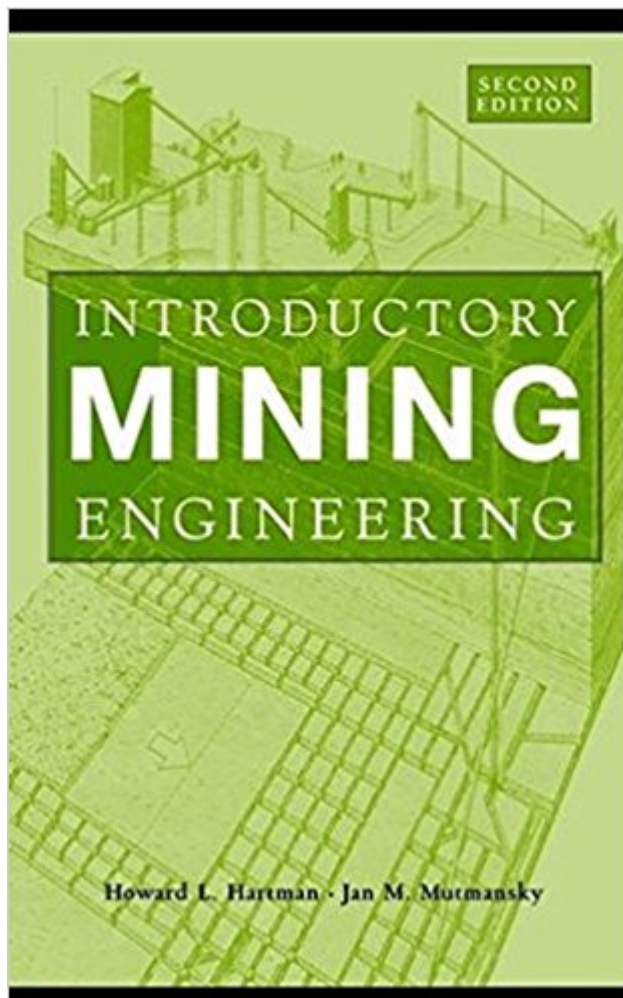




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# Introductory Mining Engineering



## Synopsis

An introductory text and reference on mining engineering highlighting the latest in mining technology. Introductory Mining Engineering outlines the role of the mining engineer throughout the life of a mine, including prospecting for the deposit, determining the site's value, developing the mine, extracting the mineral values, and reclaiming the land afterward. This Second Edition is written with a focus on sustainability—managing land to meet the economic and environmental needs of the present while enhancing its ability to also meet the needs of future generations. Coverage includes aboveground and underground methods of mining for a wide range of substances, including metals, nonmetals, and fuels. Completely up to date, this book presents the latest information on such technologies as remote sensing, GPS, geophysical surveying, and mineral deposit evaluation, as well as continuous integrated mining operations and autonomous trucks. Also included is new information on landscape restoration, regional planning, wetlands protection, subsidence mitigation, and much more. New chapters include coverage of: \* Environmental responsibilities \* Regulations \* Health and safety issues. Generously supplemented with more than 200 photographs, drawings, and tables, Introductory Mining Engineering, Second Edition is an indispensable book for mining engineering students and a comprehensive reference for professionals.

## Book Information

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## Customer Reviews

A beginning text and elementary reference book in mining engineering which adopts both a quantitative and a numerical approach. Provides in-depth treatment of the applications of mining

engineering while reinforcing material with clear, complete analyses of special topics as well as numerical examples and problems. Initial chapters are devoted to fundamentals, explaining the four stages of mining -- prospecting, exploration, development, exploitation-- and the unit operations of mining. The text continues with coverage of surface mining and underground mining. Highlights novel methods and provides case studies, answers to selected problems, extensive references and bibliography, and both English and SI or metric units. --This text refers to an out of print or unavailable edition of this title.

An introductory text and reference on mining engineering highlighting the latest in mining technologyIntroductory Mining Engineering outlines the role of the mining engineer throughout the life of a mine, including prospecting for the deposit, determining the site's value, developing the mine, extracting the mineral values, and reclaiming the land afterward. This Second Edition is written with a focus on sustainability-managing land to meet the economic and environmental needs of the present while enhancing its ability to also meet the needs of future generations. Coverage includes aboveground and underground methods of mining for a wide range of substances, including metals, nonmetals, and fuels.Completely up to date, this book presents the latest information on such technologies as remote sensing, GPS, geophysical surveying, and mineral deposit evaluation, as well as continuous integrated mining operations and autonomous trucks. Also included is new information on landscape restoration, regional planning, wetlands protection, subsidence mitigation, and much more.New chapters include coverage of:\* Environmental responsibilities\* Regulations\* Health and safety issuesGenerously supplemented with more than 200 photographs, drawings, and tables, Introductory Mining Engineering, Second Edition is an indispensable book for mining engineering students and a comprehensive reference for professionals.

Not bad as an introductory book. If you know virtually nothing about the field it will give you a flyover at 50,000 feet kind of an overview. It lacks a glossary though which in my opinion is essential. I found it lacking in terms of connecting some of the dots between complicating factors and solutions that lead to a change in mining trends that had to be answered by other texts and classes throughout my degree. I was much more impressed with this the first time I read through it than I was after I read through it again towards the tail end of my degree, but then again I knew nothing about mining when I started as a freshman. For the amount of money this text is I guess I expected a bit more.

Not written to especially high standards. There are many ways this book could be improved. For example, there is no glossary, but there are a couple of embedded lists that define a portion of the jargon used in the book. You can't find the lists when you need them, nor has there been much effort to completely define terms, as the production of a glossary would naturally motivated. There are other problems, leading to a rather mediocre product. Examples: Lots of description of what is currently done (say in excavating or demolition) or how things are trending, without any sort of engineering explanation. From an education standpoint that's just a bunch of filler. Similarly, lists of factors to be considered for a particular aspect of mine development (climate, slope, soil, etc.), paired up with lists of development options (leaching, open pit, tunnel, for example), without any discussion of which of the first list affect or how they affect choices in the second list. In other words this book has a lot of abstract 'what' in the form of lists and factors, with very little 'how.' From this book alone, a reader would advance very little toward becoming a mining engineer.

This is one of the most informative books on Mining Engineering I have purchased. Over all, easy to follow an it could be read as a refresher book or by one who knows nothing about Mining Engineering

I purchased this book for a class. It is very informative. The way they explain things can be annoying at times. There are lots of references in the middle of paragraphs that are unnecessary. There are also many times where they say "go to this book to find out about this subject". It's good if you actually want to go look for other books, but annoying if you are just reading this one. The graphs and pictures are very helpful. Overall this book explains the concepts well.

Book was the information put it. Good intro, good details. Bought it for someone who is tkaing over the management of a gold mine.

Very good at introducing mining engineering. Goes over all the basic key concepts and key problems that one would need to solve with this major.

A good average book for new ones like me in the field. Has some good chapters, specially about mining economics

Exactly, what the prof wanted, small, light, New.

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