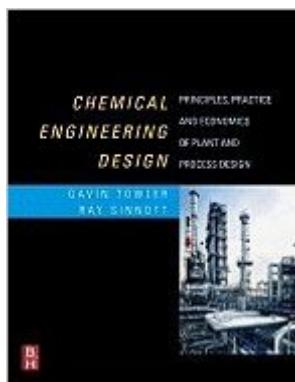


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Chemical Engineering Design Principles, Practice & Economics Of Plant & Process Design



Book Information

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Customer Reviews

I'm using this book for my Chemical Engineering Process Design I and II classes. It has been very useful for assignments, and is relatively easy to read, although economics stuff is sometimes a bit dry. The examples are good, and the supplemental material online has also been very good. It is a good book, with some useful review of heat transfer, and fundamental chemical engineering principles.

Towler and Sinnott's book provides a good overview of process design covers flowsheet layout, simulation, estimation of operating and capital costs, profitability analysis and optimization. The book then covers preliminary equipment design, including pressure vessels, reactors, separators, columns, solids handling equipment, heat exchangers and fluid hydraulics. This is a good overview of process design.

This text was used for two chemical engineering design courses, and has been one of the better texts I've owned. It provided costing and sizing templates that were useful when solving problems. I'll definitely keep it for future reference.

The book isn't particularly good at certain examples.

The various topics covered are done with excellent professional approach and would appeal to engineering students and professionals in the field alike. One would treasure the knowledge acquired after reading this book and can certainly make the best use of it in his respective field of application.

It can be helpful to know the background of the person leaving the review: I obtained both a Bachelor's and Master's degree from the University of Toledo, and for the last three years, I have worked both as a process and process control engineer in industry (2007-2010). Before I purchased a process control book, I did much research and I know now that I made the right decision. Whether you are student who is trying to learn process design for the first time or if you are already in your career (academia or industry), this is a book that compiles much information in one place. The chemical engineering student, as well as the process engineer in industry, would benefit from this wealth of information pertaining to the design of unit operations equipment. Now I use this as reference material for potential, future capital projects at work.

love this book.

Excellent book, I have used it with my students this year and I think it is very useful especially the approach of the examples to practice. Also is very specific in the activity of chemical engineers

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