



Essentials of Economic Decision Analysis for Chemical Engineering

By Ralph W Pike

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.There are things that chemical engineers need to know and things that they need to know about. They need to know the time value of money, and they need to know about using Solver in Excel for process optimization problems. They need to know how to describe a process or plant in a flowsheeting program, and they need to know about the options for the thermodynamic packages in the flowsheeting program. They need to know how to do material and energy balances on chemical processes, and they need to know about how to incorporate rate equations and equilibrium relations in the material and energy balance equations. The topics in economic decision analysis given here have details to ensure the depth for need to know and the breadth for the topics that are in the need to know about category. The topics follow in order of developing the information needed for economic decision analysis. Beginning with market analysis, this leads to the decision to evaluate a new process or plant. Then several levels of analysis are used to determine...



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