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Titolo	Elements of Manufacturing, Distribution and Logistics : Quantitative Methods for Planning and Control // by Nick T. Thomopoulos
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-26862-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (308 p.)
Disciplina	650
Soggetti	Operations research Decision making Production management Operations Research/Decision Theory Operations Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Forecasting -- Forecast Error -- Order Quantity -- Safety Stock -- Replenishments -- Distribution Control -- Manufacturing Control -- Just-in-Time -- Assembly -- Statistical Process Control -- Distribution Network -- Supply Chain Management -- Transportation -- Reverse Logistics.
Sommario/riassunto	This book describes a variety of quantitative methods that are vital to planning and control in the operations of the industrial world, from suppliers to manufacturing plants to distribution centers and to the dealers and stores. The topics include: forecasting, measuring forecast error, determining the order quantity, safety stock, when and how much inventory to replenish, all this for individual items and for a distribution network where the items are housed in multiple locations. Further quantitative methods are: manufacturing control, just-in-time, assembly, statistical process control, distribution network, supply chain management, transportation and reverse logistics. The methods are proven, practical and doable for most applications. The material in Elements of Manufacturing, Distribution and Logistics presents topics that people want and should know in the work place. The presentation

is easy to read for students and practitioners. There is little need to delve into difficult mathematical relationships, and numerical examples are presented throughout to guide the reader on applications.

Practitioners will be able to apply the methods learned to the systems in their locations, and the typical professional will want the book on their bookshelf for reference. Everyone in professional organizations like APICS, DSI and INFORMS; MBA graduates, people in industry, and students in management science, business and industrial engineering will find this book valuable.

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