

<<管理工程与技术>>

图书基本信息

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内容概要

本书是公认的最权威的向工程师们教授管理原理的教科书之一。

全书共18章。

第1章讨论了工程、管理的艺术与科学以及这两者的整合。

第2章从工程师的角度出发，介绍了管理的发展历史。

第3~8章讨论了计划、组织、激励和控制等管理职能。

与传统的管理学教科书不同，本书的介绍更精简，更强调技术方面的管理。

第9~13章介绍了如何将这些管理学的基础知识应用到工程师的工作环境中去，讨论了研究、设计、生产以及技术销售和服务。

第14和15章讨论如何将管理原理应用到项目管理这种工程实践的普通形式上去。

第16~18章讨论了工程师的职业生涯发展。

本书可作为工程管理、工业工程专业的本科生或研究生的管理学教材。

对于考虑转向管理岗位的工程技术人员，本书也会提供有价值的参考。

作者简介

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章节摘录

版权页 : Engineers. Engineering has been differentiated from other academic paths by the need for people to logically apply quantifiable principles. Academic knowledge, practical training, experience, and work-study are all avenues to becoming an engineer. The key attribute for engineers is the direct application of that knowledge and experience. The most up-to-date information on opportunities available for engineers can be found at various websites on the Internet, industry publications, professional associations, and personal contacts within industry. Like other fields of endeavor, engineering no longer represents a staid career choice. The basic idea is to be adept, adaptable, and aware. Types of Engineers. The rigid classification of engineers into specific specialties and careers has been eroding swiftly. Many engineering applications require cross-pollination or integration of multiple disciplines. Aerospace engineers require knowledge of metallurgy, electronic control systems, computers, production limitations and possibilities, finance, life cycle logistic planning, and customer service. These are all required to produce a viable commercial product such as an airliner or a fighter. The previous focusing on a specialty is not as important as being able to communicate and team with others. These teams are composed of various specialists knowledgeable in several primary fields.

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