

<<工程管理专业英语>>

图书基本信息

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前言

高等学校工程管理专业是教育部1998年颁布的《普通高等学校本科专业目录》中设置的专业，是在整合原“建筑管理工程”、“国际工程管理”、“基本建设投资管理”及“房地产经营管理”等专业的基础上形成的，具有很强的综合性和较大的专业覆盖范围，主要研究工程项目建设过程中的计划、组织、指挥、控制、协调与资源配置等管理问题。

工程管理专业旨在为国家经济建设和社会发展培养掌握土木工程技术、管理学、经济学及相关法律法规知识，掌握现代工程项目管理的理论、方法与手段，具备综合运用所学知识在国内外工程建设领域从事建设项目全过程的投资、进度、质量控制及合同管理、信息管理和组织协调能力的复合型高级管理人才。

随着我国建筑业、房地产业在国民经济中地位和作用的日益突显，工程管理人才需求呈明显增长趋势，同时也对工程管理专业毕业生提出了更高的要求。

因此，如何进一步提高人才培养质量成为设置工程管理专业的高等学校面临的重要课题。

而高水平的专业教材作为实现人才培养目标的载体，必将对人才培养质量的提高发挥重要作用。

西安建筑科技大学是全国最早设立工程管理专业的院校之一，该专业于1999年首批通过了“全国工程管理专业评估委员会”的评估，2004年和2009年分别以全票通过复评；2004年该专业被评为陕西省名牌专业；2008年又被评为国家级特色专业。

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内容概要

《工程管理专业英语》素材取自国外近年来年工程管理各个领域的经典教材、著作、论文及计算机网络信息，内容涉及工程管理各领域当前的状况和最新进展。

《工程管理专业英语》内容新颖、覆盖面广、系统性强、可读性好，是学习工程管理专业英语的实用教材。

《工程管理专业英语》既可作为高等院校的工程管理、造价管理及相关专业的教材，也可作为成人教育、网络教育的相关专业教材，还可作为工程管理专业人士及其他有兴趣人员的学习参考读物。

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A common trend in industrial construction, particularly for large projects, is to engage the services of a design/construct firm. By integrating design and construction management in a single organization, many of the conflicts between designers and constructors might be avoided. In particular, designs will be closely scrutinized for their constructibility. However, an owner engaging a design/construct firm must insure that the quality of the constructed facility is not sacrificed by the desire to reduce the time or the cost for completing the project. Also, it is difficult to make use of competitive bidding in this type of design/construct process. As a result, owners must be relatively sophisticated in negotiating realistic and cost-effective construction contracts. One of the most obvious advantages of the integrated design/construct process is the use of phased construction for a large project. In this process, the project is divided up into several phases, each of which can be designed and constructed in a staggered manner. After the completion of the design of the first phase, construction can begin without waiting for the completion of the design of the second phase, etc. If proper coordination is exercised, the total project duration can be greatly reduced. Another advantage is to exploit the possibility of using the turnkey approach whereby an owner can delegate all responsibility to the design/construct firm which will deliver to the owner a completed facility that meets the performance specifications at the specified price.

Professional Construction Managers

In recent years, a new breed of construction managers (CM) offers professional services from the inception to the completion of a construction project. These construction managers mostly come from the ranks of A/E firms or general contractors who may or may not retain dual roles in the service of the owners. In any case, the owner can rely on the service of a single prime professional to manage the entire process of a construction project.

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