

What is a Project?

- **Project Defined**
 - A complex, nonroutine, one-time effort limited by time, budget, resources, and performance specifications designed to meet customer needs.
- **Major Characteristics of a Project**
 - Has an established objective.
 - Has a defined life span with a beginning and an end.
 - Requires across-the-organizational participation.
 - Involves doing something never been done before.
 - Has specific time, cost, and performance requirements.

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Programs versus Projects

• Program Defined

- A series of coordinated, related, multiple projects that continue over an extended time and are intended to achieve a goal.
- A higher level group of projects targeted at a common goal.
- Example:
 - Project: completion of a required course in project management.
 - Program: completion of all courses required for a business major.

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Comparison of Routine Work with Projects

Routine, Repetitive Work

Taking class notes

Daily entering sales receipts into the accounting ledger

Responding to a supply-chain request

Practicing scales on the piano

Routine manufacture of an Apple iPod

Attaching tags on a manufactured product

Projects

Writing a term paper

Setting up a sales kiosk for a professional accounting meeting

Developing a supply-chain information system

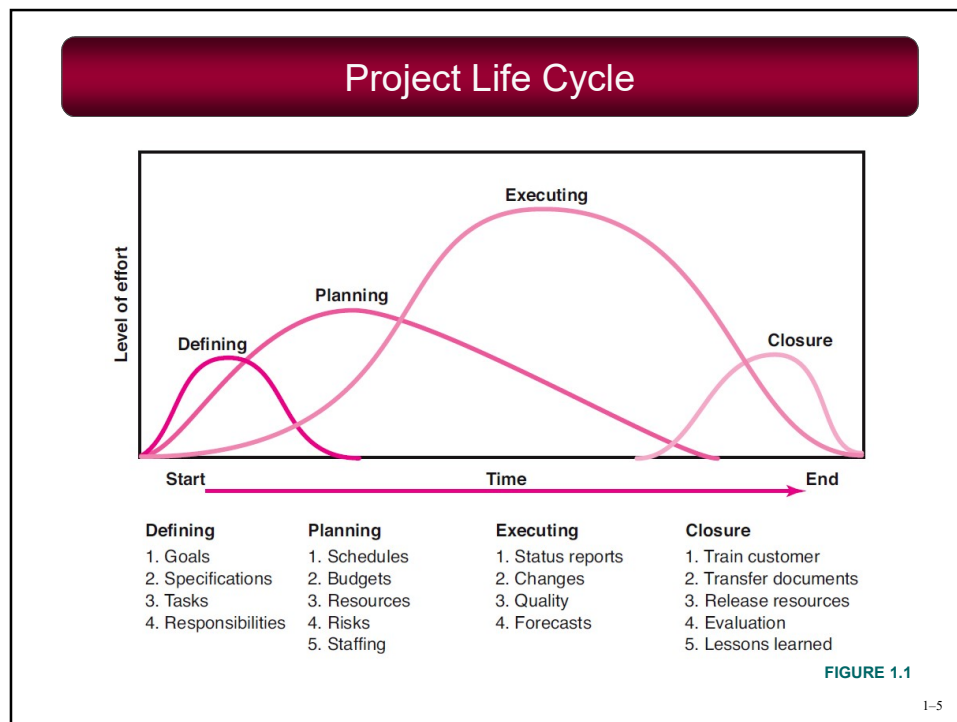
Writing a new piano piece

Designing an iPod that is approximately 2 X 4 inches, interfaces with PC, and stores 10,000 songs

Wire-tag projects for GE and Wal-Mart

TABLE 1.1

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The Challenge of Project Management

- The Project Manager
 - Manages temporary, non-repetitive activities and frequently acts independently of the formal organization.
 - Marshals resources for the project.
 - Is linked directly to the customer interface.
 - Provides direction, coordination, and integration to the project team.
 - Is responsible for performance and success of the project.
 - Must induce the right people at the right time to address the right issues and make the right decisions.

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The Importance of Project Management

- Factors leading to the increased use of project management:
 - Compression of the product life cycle
 - Knowledge explosion
 - Triple bottom line (planet, people, profit)
 - Corporate downsizing
 - Increased customer focus
 - Small projects represent big problems



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Benefits of an Integrative Approach to Project Management

- Integration (or centralization) of project management provides senior management with:
 - An overview of all project management activities
 - A big picture of how organizational resources are used
 - A risk assessment of their portfolio of projects
 - A rough metric of the firm's improvement in managing projects relative to others in the industry
 - Linkages of senior management with actual project execution management

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Integrated Project Management Systems

- Problems resulting from the use of piecemeal project management systems:
 - Do not tie together the overall strategies of the firm.
 - Fail to prioritize selection of projects by their importance of their contribution to the firm.
 - Are not integrated throughout the project life cycle.
 - Do not match project planning and controls with organizational culture to make appropriate adjustments in support of project endeavors.

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Integrated Management of Projects

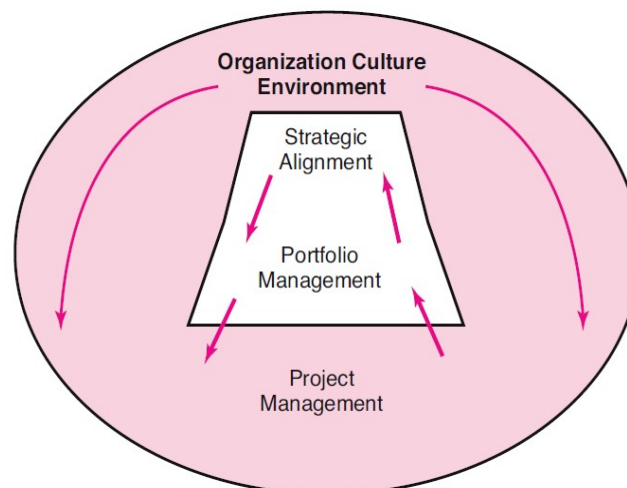


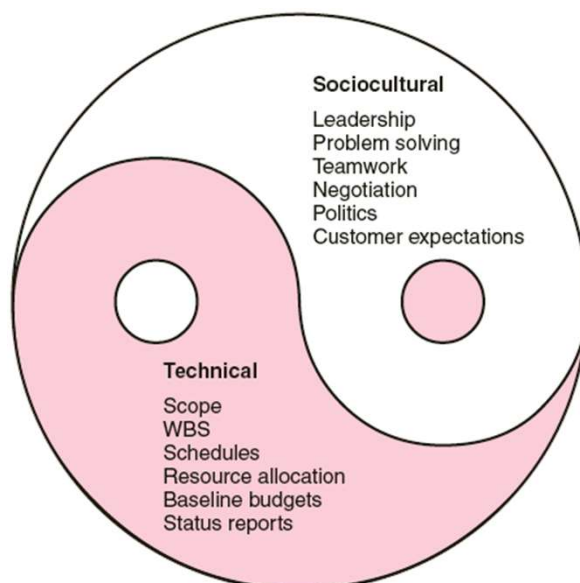
FIGURE 1.2

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Major Functions of Portfolio Management

- Oversee project selection.
- Monitor aggregate resource levels and skills.
- Encourage use of best practices.
- Balance projects in the portfolio in order to represent a risk level appropriate to the organization.
- Improve communication among all stakeholders.
- Create a total organization perspective that goes beyond silo thinking.
- Improve overall management of projects over time.

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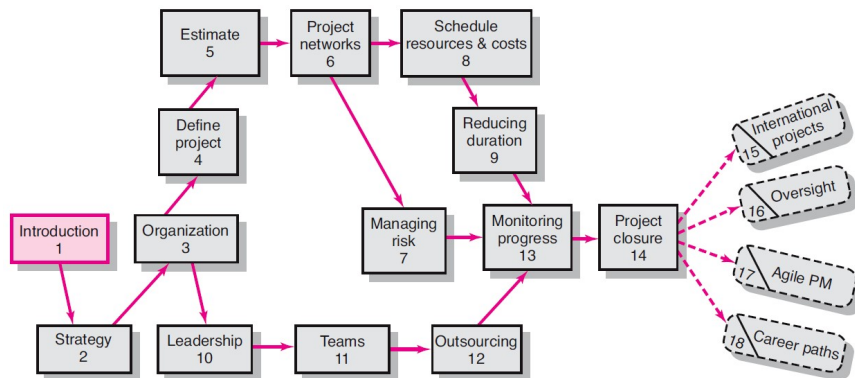


The Technical
and Sociocultural
Dimensions
of the Project
Management
Process

FIGURE 1.3

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An Overview of Project Management 5e.



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Key Terms

ISO 9000

Program

Project

Project life cycle

Project Management Professional (PMP)

Sociotechnical perspective

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