Part 2
Securing Effective Employees

Chapter 4 • Designing Productive and Satisfying Work
Chapter 5 • Recruiting Talented Employees
Chapter 6 • Selecting Employees Who Fit
Chapter 7 • Managing Employee Retention and Separation
A MANAGER’S PERSPECTIVE

Jane sits in her cubicle wondering how she can make work more enjoyable for the telemarketers she supervises. She personally feels a sense of accomplishment when she closes a sale or resolves a customer’s concern. But she knows that several members of her team don’t get a great deal of satisfaction from their work. They often interact with people who are irritated for being interrupted. Receiving inbound calls can also be frustrating, as customers often make unrealistic demands. Although Jane knows it is unlikely that she can change the telemarketer job so that it is fun, she wonders if there are things she can do to improve working conditions and motivation.

The members of Jane’s team sit in private cubicles and individually take calls. They are given approved scripts that describe what they should say. Jane and other managers often listen to conversations to make sure the telemarketers are following the scripts. Jane knows the scripts were developed with input from some of the most successful telemarketers, but she often thinks that members of her team come across as presenting a memorized speech rather than being genuinely interested in the customer. She wonders if it wouldn’t be better to allow members of her team more freedom to stray from the scripts. Would allowing greater individual freedom improve service and sales, or would too many telemarketers say the wrong thing?

As part of a directive from upper management, Jane has also been carefully tracking the productivity of each team member. She frequently receives reports about things such as the number of calls made to potential customers and average time to resolve a complaint from a current customer. When she shares these reports with employees, they often provide long lists of reasons why they cannot process more calls. They also complain that they feel as if they are being treated as machines rather than people. Jane is sympathetic to their concerns, but she has noticed that team members are completing more calls since she began tracking their efficiency. She wonders if the increased productivity will continue after the newness of the tracking system is gone.

As she continues thinking, Jane receives a call from Steve in the human resource department. Steve wants to know if Jane has completed her revision of the telemarketer job description. Last week when she began working on the new job description,
What do you think?

Suppose Jane asks her boss, Monica, for guidance about designing employee work. Monica makes the following statements. Which of the statements do you think are true?

- **T or F** Giving workers more autonomy is a sure way to improve their performance.
- **T or F** Having updated job descriptions is important to keep the company out of legal trouble.
- **T or F** The primary objective of good work design is to cluster tasks into jobs that maximize the efficiency of workers.
- **T or F** People who continuously perform repetitive tasks often find their work to be unsatisfying.
- **T or F** Employees who have flexibility in deciding when they will work have higher performance.

**The Big Picture**

Organizations Maximize Productivity and Employee Satisfaction by Understanding and Effectively Coordinating Work Tasks

Jane actually laughed at what was written 10 years ago. Technology had changed the telemarketer position so much that the old description was totally inaccurate. This makes Jane wonder why the company even needs job descriptions. Why waste her time working on a new description, if the company had survived for this long with a description that was this out of date? But Steve was insistent and she promised to work on the revision.

As Jane hangs up the phone and leaves her cubicle, she notices that Erin is just arriving for the afternoon shift. She greets Erin and thinks how grateful she is that Erin is still on her team. Last month Erin gave birth to her first child and was thinking about quitting. However, Jane worked with Erin to find a schedule that could accommodate her needs as a new mother. Erin seems appreciative of Jane’s understanding about her family needs. Jane is glad that she has been able to keep one of her top performers. Jane wonders whether there are other ways that she could make the job of telemarketer more attractive to working mothers.
How Can Strategic Design of Work Tasks Improve an Organization?

Many of us like to describe what we do at work by telling others about our jobs. Most of the time, we do this without thinking about who decides what tasks should go with which job. Why does an organization have sales representatives who meet with potential customers, while other employees make the actual products? Why do automobile manufacturers organize workers into assembly lines? These questions involve work design, the process of assigning and coordinating work tasks. One key principle of work design is differentiation. Differentiation suggests that workers should be assigned sets of similar tasks so that they can specialize in doing certain things very well. Another key principle of work design is integration. Integration is concerned with coordinating the efforts of employees.

Strategic work design uses both differentiation and integration to determine who does what. Good differentiation and integration of work helps organizations increase productivity and improve customer satisfaction. When work is designed strategically, employees’ efforts are coordinated in a way that helps the organization achieve its competitive strategy.

One example of an organization with effective work design is W. L. Gore & Associates. Gore is best known for manufacturing apparel and camping products that are both water resistant and breathable. The company began in 1958 as a small shop in Bill Gore’s basement. Since that time, it has grown into a multinational company with overall sales of $2.5 billion. Gore employs over 8,500 employees located throughout the world. In addition to manufacturing water-resistant fabric, known as Gore-tex, the company makes products for use in medicine, electronics, and industry.

The various products made by W. L. Gore are tied together by quality and innovation. People don’t normally buy Gore products because they are inexpensive; they buy them because they are excellent products that meet their specific needs. Gore’s official statement about its strategy is “Gore’s products are designed to be the highest quality in their class and revolutionary in their effect.” W. L. Gore clearly competes with other organizations by pursuing a differentiation rather than a cost strategy.
How Can Strategic Design of Work Tasks Improve an Organization?

In order to encourage innovation and quality, Gore allows workers a great deal of freedom in deciding what they will do. Workers at Gore don’t usually have specific jobs. Nobody is given a job title, and employee business cards don’t list specific positions. Employees are simply called associates. New employees negotiate with others to determine “commitments” that define their work role. Commitments take advantage of individual strengths and abilities and are different for every employee. Gore thus replaces top-down planning with a system that allows each employee freedom to determine the specific tasks that he or she will perform. This freedom encourages each individual to find a set of enjoyable tasks. Requiring negotiation with other employees ensures that the chosen tasks will indeed help the organization achieve its goals.5

Integration at W. L. Gore is achieved through dynamic teams. Many organizations use a hierarchical structure with bosses and clear channels of authority. In contrast, Gore is organized around a lattice structure, which allows employees to talk to anyone who might have information they need. Instead of having bosses plan and organize tasks, the efforts of individual workers at Gore are thus coordinated through teamwork.

Gore’s practices have created a workplace where employees are highly satisfied. The company has been named one of the best places to work by numerous surveys conducted in a variety of countries. And Gore was once again named as one of the U.S. “100 Best Companies to Work For” by Fortune magazine in 2009.6

Of course, not everyone is able to succeed in Gore’s structure. Some people are uncomfortable without specific jobs that tell them what to do and leave Gore soon after they join. People who try to take advantage of the loosely organized system by not working hard are also pushed out by their peers.

Replacing formal planning and role assignment with a process in which roles evolve is beneficial for Gore. But would this evolutionary process be successful elsewhere? Few other organizations seem willing to try, suggesting that

Building Strength Through HR

W. L. Gore & Associates is an international company employing over 8,500 people throughout the world. Human resource management at Gore builds competitive strength by encouraging creative innovation through

- Creating flexible job descriptions that allow employees freedom to perform work tasks that best fit their skills and abilities.
- Using teams to coordinate the work efforts of individuals.
- Encouraging workers to develop strong social relationships with other employees.
it may not fit their needs as well. In particular, the informal process at Gore is successful because it fits with the overall strategy of differentiation through innovation. Hiring creative employees and then letting them find ways to utilize their unique talents encourages new ideas. The process may not always be efficient, as the contributions of some workers may overlap with the contributions of others. However, small losses in efficiency are acceptable in return for the increased innovation that makes Gore products highly desirable to consumers. In essence, then, W. L. Gore & Associates is a successful company because it has developed a human resource system that helps it carry out its competitive strategy of innovation.

**LEARNING OBJECTIVE 1**

**How Is Work Design Strategic?**

The example of W. L. Gore shows that strategic work design can benefit an organization by assigning and coordinating tasks in ways that increase employee productivity. However, what it means to be productive may not be the same for all organizations. Instead of innovation and creativity, other organizations may benefit from speed and efficiency. The key to making work design strategic is therefore to align the methods used for assigning and coordinating tasks with overall HR strategy. Next, we consider two fundamental elements of work design—autonomy and interdependence—and then explain how these elements can be aligned with the HR strategies from Chapter 2.

**DEVELOPING AUTONOMY**

Take a moment and imagine you are observing the following experience. A family with four small children sits down in a restaurant. The waitress places a glass of water in front of each person. Fearing that the glasses will be broken, the parents ask the waitress to remove the glasses she placed in front of the children. “I’m sorry,” the waitress says, “I’ll get in trouble if everyone at the table doesn’t have a glass of water. It’s our policy.” Even though the parents beg her to make an exception, the waitress follows standard procedure and leaves the glasses in front of the children. Sure enough, several minutes later, one of the glasses of water is pushed onto the floor and broken. Unlike W. L. Gore, the restaurant in this example gives employees little autonomy.

Autonomy concerns the extent to which individual workers have freedom to determine how to complete work. A second potential benefit of high autonomy is increased motivation. People with a greater sense of autonomy feel more responsibility for their
More autonomous employees are less likely to shirk their responsibilities, while people who don’t feel autonomy often fail to do their share of work tasks. People are also more likely to go beyond minimum expectations without extra pay when autonomy is high. High-level managers with greater autonomy in both the United States and Europe report greater job satisfaction and less chance of leaving their current employer. Managers working in a foreign country also adjust to the new environment better when they experience autonomy.

High autonomy may not be desirable for all workers, however. High autonomy can create coordination problems. An employee with a great deal of freedom to change the work process might do something that changes processes and outcomes for other employees. Such changes are particularly troublesome when the work process is carefully planned in advance. For instance, high autonomy may not be good for workers in an automobile assembly plant. Production processes are carefully planned, and failure to follow rules and

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**Do Empowered Teams Have Higher Performance?**

Do teams perform better when they feel like they have the responsibility and authority to complete their work independently of a supervisor? If so, what can organizations do to help teams feel a greater sense of being empowered? John Mathieu, Lucy Gilson, and Thomas Ruddy sought to answer these questions in a study designed to examine empowerment in teams.

They gathered and analyzed data from 452 service technicians. The technicians were organized into 121 groups with responsibility for servicing and repairing photocopy machines. Team members reported the degree to which they felt the team was empowered with authority and responsibility. They reported on team processes related to planning, communicating, and cooperation. Teams also reported on ways that their work tasks were designed and the support they received from the larger organization. Team performance was assessed by measures of how quickly teams responded to calls, how well machines operated after service, and expense control. Customer satisfaction measures were also obtained from client surveys.

Teams who felt more empowered worked together more effectively and in turn had higher performance and received better reports of customer satisfaction. The sense of empowerment came from teams having more freedom and responsibility to plan and carry out work tasks, as well as a stronger sense of support from the organization. Teams were thus found to be most effective when organizational practices provided them with support and autonomy that led them to cooperate more and work together effectively. Better team processes in turn resulted in improved service and customer satisfaction.

**The Bottom Line.** Empowerment can be beneficial for teams. Empowered teams perceive greater authority and responsibility for completing work. Teams that feel empowered do a better job of planning and coordinating their efforts, which in turn results in higher performance. Organizations can thus benefit from empowering teams. However, the study authors point out that empowerment only works when it is supported by the larger organizational context. For empowerment to be effective it needs to be extensive and go beyond a quick fix.

procedures might harm the entire assembly process. In contrast, autonomy can be helpful when tasks are complex and difficult to plan in advance. Workers with high autonomy can adapt to changing conditions and can do whatever is required to better meet the needs of customers.  

**DEVELOPING INTERDEPENDENCE**

Have you ever been assigned to write a group paper with other students? If so, how did your group complete the task? Did you all write different sections of the paper? Did the group meet together and discuss the content of the paper? Did members of the group work in sequence so that group members could add to what had already been done? These different processes for coordinating activities relate to interdependence.

**Interdependence** is the extent to which an individual’s work actions and outcomes are influenced by other people. When interdependence is low, people work mostly by themselves. Each person completes his or her set of tasks without much help from or coordination with others. A good example is a group of sales representatives, each with an individual selling territory. At the other end of the spectrum is high interdependence, which occurs when people work together closely. Perhaps each team member completes a part of the task, and the work flows back and forth between team members. Each person adapts his or her inputs to the inputs of others. An example of high interdependence is found in a strategic planning team. Team members meet together and discuss issues to combine their knowledge and perceptions in order to arrive at shared decisions.

Greater interdependence often corresponds with improved performance. When interdependence is high, people tend to feel greater responsibility for completing their tasks. People also report higher work satisfaction when their goals and tasks are interdependent with those of other workers. However, as with autonomy, the benefits of interdependence are not universal. Some organizations are most effective when there is little interdependence and employees work mostly by themselves. When employees do work together, the type of interdependence that is best for one organization is not necessarily the type that is best for another organization.

One common form of interdependence is **sequential processing**, which takes place when work tasks are organized in an assembly line. In a sequential process, tasks must be performed in a certain order. One person completes a certain set of tasks. The work then flows to the next person, who completes a different set of tasks. This flow continues until each member of the team has completed his or her work and the production of the good or service is complete. A computer manufacturing plant uses sequential processing when a number of workers sit at a table and assemble parts. One person places the memory board in the computer, another adds the hard drive, and someone else installs the software. The steps are completed in a specific order, and each of the workers has a clearly defined set of tasks to complete.

Another common form of interdependence, **reciprocal processing**, requires more interaction and coordination among workers. Reciprocal interactions occur when people work together in a team without carefully prescribed plans for completing work tasks. A group of workers is given a broad set of tasks, and the workers decide among themselves who will do what. The work process might be different each time the set of tasks is completed. In this situation, the specific actions of any worker depend a lot on the actions of other workers.
Software engineers use reciprocal processing when they work as a team to create application programs. Because each program is different, the design process for one will be different from the design process for another. One person might have the expertise needed to take the lead role for one program, and another person might be the best leader for designing a different program. Someone in the team might make a suggestion that brings up new ideas from other team members. Team members work together, and the value of each engineer’s contribution depends on the contributions of others.

The best type of interdependence depends on the work situation. Individuals and teams tend to benefit from sequential processes when work activities can be broken into small tasks that do not change. These tasks are often physical. Reciprocal processes tend to be optimal when activities are complex and require mental rather than physical inputs.16

**LINKING AUTONOMY AND INTERDEPENDENCE TO HR STRATEGY**

Figure 4.1 shows how differences in autonomy and interdependence can be linked to HR strategy. Organizations using cost HR strategies—either Bargain Laborer or Loyal Soldier—focus on efficiency. Efficiency is often created by combining low autonomy and sequential processing. With cost strategies, one objective is to standardize jobs so that employees can quickly learn a set of relatively easy tasks. A cook at a fast-food restaurant, for example, receives an order and follows clearly defined rules to cook the food, which is then delivered to someone who gives it to the customer. Another objective with cost strategies is to provide a way for each worker to become very skilled and efficient at performing certain tasks. Doing something over and over helps workers learn how to eliminate errors. Scientific studies are done to find ways to perform tasks more quickly, and everyone is required to follow best practices.

Organizations that use differentiation HR strategies—either Committed Expert or Free Agent—focus on innovation. High autonomy and reciprocal processes encourage innovation. With differentiation, the objective is to create new products and services that are better than those offered by competitors.

**Figure 4.1** Strategic Framework for Work Design.
People within the organization are more likely to meet this objective when they are free to try new approaches. Giving workers the freedom to experiment with new ideas helps companies such as W. L. Gore come up with new products. In addition, the close interaction between workers using reciprocal processes allows them to help each other and learn new things.

Differences in autonomy and interdependence have been linked to differences in performance. Reciprocal processes and high autonomy correspond with improved performance when work processes are complex and constantly changing. In such cases, managers are unable to determine the one best way to get things done. Instead, skilled workers are given freedom to work together and find the methods that function best for them. Complex and changing tasks are most commonly found in organizations pursuing differentiation strategies.

Sequential processes and low autonomy correspond with improved performance when processes are simple and require mostly physical inputs. Managers overseeing this type of work are able to determine the best methods for accomplishing tasks. Activities are completed most quickly when each person performs a specific set of tasks that are coordinated by managers. Such work is most commonly found in organizations pursuing cost strategies.  

**CONCEPT CHECK**

1. What is autonomy and how does it influence work performance?
2. What are the different forms of interdependence?
3. How do autonomy and interdependence link to overall HR strategy?

**LEARNING OBJECTIVE 2**

**How Are Employee Jobs Determined?**

We wouldn’t generally expect all the employees in an organization to perform the same tasks. Employees specialize in certain tasks, and people adopt specific roles. These tasks and roles are usually summarized in terms of jobs. A **job** is a collection of tasks that a person is required to perform at work. The idea of being employed in a job is so common that many people think in terms of jobs when they describe themselves to others. But how are jobs defined? Why are some tasks grouped into a certain job while other tasks are grouped into a different job? These questions highlight the importance of properly understanding how work is designed.

**THE JOB ANALYSIS PROCESS**

**Job analysis** is the process of systematically collecting information about work tasks. The process involves obtaining information from experts to determine the tasks that workers must perform, the tools and equipment they need to perform the tasks, and the conditions in which they are required to work.
For instance, a job analysis of the work a student does might bring together a panel of experienced students and faculty. This panel would develop a list of the tasks that students commonly perform. Accompanying the list might be a description of typical tools, such as computers and textbooks. The analysis would also describe the conditions in which students work, such as lecture halls and study groups.

Job analysis is important because it helps clarify what is expected of workers. Purolator, which is featured in the “Building Strength Through HR” feature, provides an example of the benefits of good job analysis. In the context of human resource management, knowing what tasks need to be completed helps managers select people with appropriate knowledge and skills. Understanding job tasks also provides important information for planning

**Building Strength Through HR**

**Purolator**

Purolator is the largest courier company in Canada, with annual revenue over $1.5 billion. During an average day, Purolator’s 12,500 employees move over 1.1 million packages. Employing a large number of people involved in physical labor can be challenging. Each year, the company processes over 2,000 workers’ compensation claims and pays over $13 million for workers’ compensation insurance. Most of the claims are filed by couriers and sorters, who spend a great deal of time lifting, pushing, and pulling boxes.

Purolator uses job analysis to better understand the physical demands of various jobs. One purpose of job analysis is to provide information about jobs that injured workers can do while they are recovering. Purolator works with medical doctors to assess the tasks that each injured worker can do and then to match workers with temporary assignments that require only inputs they are physically capable of providing. Workers can return to the workplace more quickly, which saves Purolator money. Many injured workers also find being at work in a short-term assignment preferable to staying home alone with nothing to do.

Since implementing the job analysis and assignment program, Purolator has reduced the number of work days lost for injury from nearly 10,000 per year to around 6,000. This improved use of workers has helped Purolator become more efficient and thereby compete more successfully with international shipping companies such as UPS and FedEx.

Human resource management at Purolator builds competitive strength by using job analysis to assess the physical demands of job tasks and then matching job requirements with the capabilities of individual workers.

training programs. In addition, being able to compare the tasks of different workers helps guide decisions about pay. Finally, careful job analysis helps ensure that human resource practices comply with legal guidelines. In fact, good job analysis is often seen as a first step to appropriately recruiting, hiring, training, and compensating workers.

The steps in the job analysis process, as shown in Figure 4.2, are getting organized, choosing jobs, reviewing knowledge, selecting job agents, collecting job information, creating job descriptions, and creating job specifications.

**Step 1. Getting Organized**
An important issue to be decided during this phase is who will perform the analysis. Some organizations have employees who have the necessary expertise to perform job analyses; other organizations hire external consultants to help. In either case, accurate job analysis depends on identifying people who have the skills needed to thoroughly analyze the jobs. Careful plans describing needed resources, such as staff support and computer assets, can help to ensure success. During the organizing phase, it is also necessary to make sure that key decision makers support analysis plans. No matter how carefully procedures are planned, problems will arise, and top-management support will be necessary to make sure that the analysis proceeds successfully.

**Step 2. Choosing Jobs**
Of course, the goal in any organization is to analyze all jobs, but constraints on budgets and staff time make it necessary to choose only some of these jobs. As you might expect, high priority should be given to jobs that are important to

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the success of the organization. Particular emphasis should be placed on jobs in which large numbers of people are employed. Focusing analysis on jobs that are both important and widely held ensures that efforts will be concentrated in areas where improvement can have its largest impact on making the organization successful.

Step 3. Reviewing Knowledge
The next step, reviewing knowledge, involves learning what is already known about similar jobs in other organizations. One important source of information is the Occupational Information Network, which was developed by the U.S. Department of Labor. The network, called O*Net, is online at http://online.onetcenter.org. The online database contains information for over a thousand occupations. A visitor to the website simply types in a common job title and is presented with a list of tasks that are normally associated with that job, along with other information. Although developed in the United States, O*Net data have been shown to be applicable in other countries such as New Zealand and China. Studies published in research journals, such as Personnel Psychology and Journal of Applied Psychology, offer another source of knowledge. The information in these existing sources is not a substitute for a careful analysis but does provide a good starting point for learning about jobs.

Step 4. Selecting Job Agents
Job agents are the people who will provide the job information. In many cases, the best people to provide this information are job incumbents—the people currently doing the job. These employees are very familiar with day-to-day tasks. But one potential problem with using current employees is that they may emphasize what is actually done rather than what should be done. Another source of information is supervisors. Supervisors may not be as familiar with the details of the job, but they can often provide clarification about the tasks that they would like to see done. A third source of information is professionally trained analysts who make careers out of studying jobs. Although such specialists can provide an outside perspective, they may not be as familiar with how things are done in a particular organization.

A number of studies have examined differences in job agents. Information provided by job incumbents who are experienced is different from the information provided by incumbents who recently started the job. In addition, differences have been found for ratings from men and women, as well as for ratings from minority and nonminority incumbents. Some differences have also been reported between high- and low-performing employees. Given these differences, it is important that the characteristics of the sample of people who provide information for a job analysis be representative of the characteristics of people who do the job.

Step 5. Collecting Job Information
The next step is to actually collect information about the job. A common method for collecting information is the job analysis interview, a face-to-face interaction in which a trained interviewer asks job agents about their duties and responsibilities. Agents can be interviewed individually or in groups. In either case, the interview should be structured so that the same questions are asked of everyone. Job analysis interviews can be useful for learning unique aspects of a particular job. Interviews can, however, be time consuming and costly.
A second common method for collecting information is the job analysis questionnaire. Here, agents respond to written questions about the tasks they perform on the job. One type of questionnaire is an off-the-shelf instrument that has been developed to provide information about numerous different jobs. Another type is a tailored questionnaire developed just to obtain information about a specific job in a specific organization. An advantage of job analysis questionnaires is that they are relatively inexpensive; a disadvantage is that they may only provide very general information.

A third common method is observation. Job analysis observation requires job analysts to watch people as they work and to keep notes about the tasks being performed. This method can provide excellent information about jobs involving frequently repeated tasks. However, observation is difficult for jobs where tasks either are mental or are not done frequently enough to be observed by an outsider.

Given the different strengths and weaknesses of analysis techniques, the best advice is often to use a combination of techniques. Job analysis questionnaires can serve as relatively inexpensive tools to obtain broad information. This information can be supplemented by interviews and observations. The overall goal of this step is to obtain as much information as possible about the work tasks. We will look more closely at some specific job analysis methods in the next section.

**Step 6. Creating Job Descriptions**

Next, analysts use the job analysis information to create a job description. A job description is a series of task statements that describes what is to be done by someone in a particular position.
How Are Employee Jobs Determined?

Knowledge of
1. Computers and electronics, including circuit boards, processors, chips, computer software and hardware
2. English language, including meaning and spelling of works, rules of composition and grammar
3. Mathematics, including arithmetic, algebra, geometry, calculus, statistics, and their applications

Skills in
1. Writing computer programs
2. Critical thinking and complex problem solving
3. Active learning and listening, reading comprehension, and learning strategies
4. Operations analysis, technology design, and troubleshooting

Ability for
1. Arranging information in patterns
2. Deductive reasoning, inductive reasoning
3. Seeing details at close range
4. Oral and written comprehension
5. Oral and written expression
6. Knowing when something is wrong or likely to go wrong


Table 4.2  Job Specifications for Computer Programmer

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<tr>
<td>• Oral and written expression</td>
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<tr>
<td>• Knowing when something is wrong or likely to go wrong</td>
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Step 7. Creating Job Specifications
The final step uses job analysis information to create job specifications. **Job specifications** identify the knowledge, skills, and abilities that workers need in order to perform the tasks listed in the job description. An example of job specifications for the position of computer programmer is shown in Table 4.2. Of course, job specifications are different from the job description. Job descriptions focus more on what is done, whereas job specifications focus on who is most likely to be able to perform the tasks successfully.

SPECIFIC METHODS OF COLLECTING JOB ANALYSIS INFORMATION

Let’s look more closely at how information is gathered in Step 5 of the job analysis process. Many methods have been developed for collecting job analysis information. In this section, we examine three of the methods: the task analysis inventory, the critical-incidents technique, and the Position Analysis Questionnaire. The first two are general techniques that provide a methodology for analyzing jobs. Although several different consulting firms market applications of these techniques, the principles used are not unique to these firms. A number of common principles underlie specific practices, and we describe these principles rather than the specific practices of a particular consulting firm. The third tool we discuss, the Position Analysis Questionnaire, is a bit different; it is a specific analysis tool that is marketed by a single firm.

Task Analysis Inventory
The **task analysis inventory** asks job agents to provide ratings concerning a large number of tasks. Most analyses require responses for at least 100 different task statements. These task statements usually begin with an action verb that describes a specific activity—for example, “explains company policies to newly hired workers” and “analyzes data to determine the cost of hiring each new employee.”

**Job specifications**
Listing of the knowledge, skills, and abilities needed to perform the tasks described in a job description.

**Task analysis inventory**
A method of job analysis in which job agents rate the frequency and importance of tasks associated with a specific set of work duties.
Most task analyses require job agents to provide at least two ratings for each task statement; one rating is for frequency or time spent, and the other is for importance. Ratings for frequency of performing the task range from “never performed” to “performed most of the time.” Ratings might also be made for time spent on the task. However, ratings of frequency and time spent essentially measure the same thing. Ratings for task importance usually range from “not important” to “extremely important.”

Task inventories yield information that is consistent across time, meaning that ratings provided by a specific rater at one point in time are similar to ratings obtained from the same rater at a different point in time. Raters tend to agree about the importance of tasks but don’t always agree on frequency ratings. Incumbents who are job incumbents—people actually doing the tasks—are more accurate than other agents, such as supervisors. Incumbents who are relatively new to the job are more accurate than incumbents who have been in the job for some time. The task analysis inventory thus seems to work best when job incumbents who are relatively new to the position provide ratings of frequency and importance.

A task analysis inventory is fairly specific to a particular category of jobs. Thus, an analysis that provides insight into the job of grocery store clerk will provide little information about the job of taxi driver. However, the inventory does provide a good deal of detailed information about the job being studied.

Critical-incidents technique
A method of job analysis in which job agents identify instances of effective and ineffective behavior exhibited by people in a specific position.

Critical- Incidents Technique
The critical-incidents technique identifies good and bad on-the-job behaviors. Job agents are asked to generate a number of statements that describe behaviors they consider particularly helpful or harmful for accomplishing work. Each statement includes a description of the situation and the actions that determined whether the outcome was desirable or undesirable. Statements are then analyzed to identify common themes.

Results from an analysis using the critical-incidents technique are shown in Table 4.3. The analysis provides information about the position of university housing resident assistant. Resident assistants are students who live in dormitories to coordinate activities and enforce rules. This particular study included 93 resident assistants and their supervisors. Each participant first provided a descriptive example of the behavior of the best resident assistant he or she had ever known. Many participants described incidents in which the resident assistant had shown an individual interest in students or had been fair in making decisions. As a next step in the process, each participant described an incident involving the worst resident assistant he or she had observed. These incidents often involved resident assistants who were not available to help students or resident assistants who themselves broke rules. After participants generated lists of desirable and undesirable resident assistant actions, expert raters sorted the incidents into categories and checked to make sure different raters agreed about which incidents should be placed in each category. Finally, the number of incidents in each category was counted to get a sense of the relative importance of the categories.

The results of the critical incident method found showing interest in residents and being fair to be the most important incident categories. Good resident assistants are fair in imposing discipline, are concerned about residents, plan additional programs, are self-confident, have good self-control, and spend more time than required in the residence hall. Poor performers discipline some residents but not their friends, break the rules themselves, and are not
How Are Employee Jobs Determined?

Table 4.3 Incident Frequencies of Good and Bad Resident Assistant Behavior

<table>
<thead>
<tr>
<th></th>
<th>Good</th>
<th>Bad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest in residents</td>
<td>31</td>
<td>19</td>
</tr>
<tr>
<td>Availability</td>
<td>14</td>
<td>27</td>
</tr>
<tr>
<td>Responsibility</td>
<td>12</td>
<td>20</td>
</tr>
<tr>
<td>Fairness</td>
<td>18</td>
<td>10</td>
</tr>
<tr>
<td>Self-adherence to rules</td>
<td>0</td>
<td>28</td>
</tr>
<tr>
<td>Social skills</td>
<td>19</td>
<td>7</td>
</tr>
<tr>
<td>Programming</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td>Self-confidence</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>Rule enforcement</td>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>Authoritarianism</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>Counseling skills</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>Self-control</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Confidentiality</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>


friendly. An interesting outcome of this study was the identification of availability and interest in residents as important aspects of performance. Previous analyses had focused more on the disciplinary requirements and had failed to capture these important performance behaviors.

Position Analysis Questionnaire

The Position Analysis Questionnaire (PAQ) is a structured questionnaire that assesses the work behaviors required for a job. This questionnaire collects information not about tasks or duties but rather about the characteristics people must have in order to do the job well. In essence, the PAQ skips Step 6 in the job analysis process and goes right to Step 7.

The PAQ includes 187 items that relate to job activities or the work environment. These items assess characteristics along six dimensions:

1. Information input—where and how a worker obtains needed information.
2. Mental processes—reasoning and decision-making activities.
3. Work output—physical actions required for the job, as well as tools or devices used.
4. Relationships with other persons—the interactions and social connections that a worker forms with others.
5. Job context—the physical and social surroundings where work activities are performed.
6. Other job characteristics—activities, conditions, or characteristics that are important but not contained in the other five dimensions.

Questions on the PAQ are rated on scales according to what is being measured. One scale, for example, is based on extent of use and ranges from “very infrequently” to “very substantial.” Another is based on importance to the job and ranges from “very minor” to “extreme.” A few items are simply rated as “does not apply” or “does apply.”
An advantage of the PAQ is its usefulness across many different jobs. Since the information concerns worker characteristics rather than tasks, results can be compared across jobs that are quite different. For instance, PAQ results might be used to determine whether two very different jobs require similar inputs. The degree of similarity will tell management whether people doing these jobs should be paid the same amount. A disadvantage of the PAQ is its lack of task information, which limits its usefulness for creating job descriptions or guiding performance appraisal practices. The PAQ is nevertheless one of the most commonly used methods of job analysis.

**HOW IS JOB DESCRIPTION INFORMATION MADE USEFUL?**

A few methods, like the PAQ, develop descriptions of worker characteristics rather than tasks and duties. However, the result of most job analysis techniques is a list of duties. As shown in Figure 4.3, job descriptions focus on tasks and duties, whereas job specifications focus on characteristics of people. Information in job descriptions must therefore be translated into job specifications, which are required for purposes such as employee selection. After all, just knowing what employees do in a certain job isn’t very helpful for determining the type of person to hire. The people doing the hiring also need to know what characteristics to look for in job applicants.

Translation into job specifications is usually done by job agents. To make good translations, job agents must be highly familiar with the job and what it takes to perform it well. They look at the list of tasks and make judgments about the knowledge, skills, and abilities needed to complete the tasks. The characteristics are incorporated into the job specifications. For instance, job agents for the position of student might be asked to make judgments about the skills needed to take notes in class. The list of skills would include some obvious characteristics, such as ability to hear and write. Other characteristics might be less obvious but more helpful for identifying people who do the tasks well—for example, the ability to simultaneously listen and write, a knowledge of note-organizing techniques, and skill in asking follow-up questions. Good job specifications thus focus attention on knowledge, skills, and abilities that separate high- and low-performing workers.

<table>
<thead>
<tr>
<th>Job Descriptions</th>
<th>Job Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describes what is to be done</td>
<td>Describes the</td>
</tr>
<tr>
<td></td>
<td>• Knowledge</td>
</tr>
<tr>
<td></td>
<td>• Skills</td>
</tr>
<tr>
<td></td>
<td>• Abilities needed to perform the duties</td>
</tr>
<tr>
<td>Focus is on duties</td>
<td>Focus is on characteristics of people</td>
</tr>
</tbody>
</table>

*Figure 4.3* Comparing Job Descriptions and Job Specifications.
How Are Employee Jobs Determined?

Job specifications provide information that serves as a foundation for a number of other human resource practices. Managers can use the list of worker characteristics as a “shopping list” when they begin identifying the type of workers they want to hire. Carefully prepared job specifications also guide selection practices so that appropriate tests can be found to identify who actually has the desirable characteristics. In addition, areas in which current employees lack skills necessary for promotion can be established as training priorities.

These priorities serve as important information for designing the training programs discussed in Chapters 9 and 10. Also, as explained in Chapters 11 and 12, knowing the employee characteristics associated with high task performance can also provide important guidance for compensation decisions. People who have more desirable characteristics will likely expect to receive higher pay, particularly if few others have the same characteristics.

JOB ANALYSIS AND LEGAL ISSUES

The process of job analysis is a starting point for many good human resource practices. Practices grounded in good analysis are most likely to result in good decisions about how to hire, evaluate, and pay employees. Legal considerations are another important reason for good job analysis.

A number of court decisions have confirmed the importance of using good job analysis procedures. When an organization makes hiring or promotion decisions that have discriminatory effects, the organization can defend itself successfully by showing that it based its decisions on good, solid analyses of the jobs involved. In contrast, such decisions are likely to appear arbitrary—and to be judged illegal—if the organization has not used good job analysis procedures. Some procedures that have been identified as critical for conducting a legally defensible job analysis are listed in Table 4.4. Following these procedures helps ensure that an organization thoroughly analyzes jobs and uses the information to develop fair hiring and compensation procedures.

Job analysis results can also help many organizations determine whether they are complying with requirements of the Americans with Disabilities Act (ADA), which we discussed in Chapter 3. ADA guidelines make an important distinction between essential and nonessential tasks. For a disabled employee to be qualified for a position, he or she must be able to perform all essential tasks (with reasonable accommodations). The employee is not, however, required to be able to perform nonessential tasks. For example, an essential task for a landscape worker might be to identify and remove weeds.

<table>
<thead>
<tr>
<th>Table 4.4</th>
<th>Legal Issues and Job Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Analysis results should be in writing.</td>
</tr>
<tr>
<td>2.</td>
<td>The method used to analyze the job should be clearly described.</td>
</tr>
<tr>
<td>3.</td>
<td>Expert job analysts should collect data from several up-to-date sources.</td>
</tr>
<tr>
<td>4.</td>
<td>Data should be collected from enough people to be sure the results are accurate.</td>
</tr>
<tr>
<td>5.</td>
<td>Tasks, duties, and activities must be identified and included in the job analysis.</td>
</tr>
<tr>
<td>6.</td>
<td>Specify the relative degree of competency necessary for entry-level performance.</td>
</tr>
</tbody>
</table>

A nonessential task might be communicating verbally with other employees. In this case, an applicant with a speech disability might be seen as qualified for the job. The key to qualification is the extent to which verbal communication is necessary. If the job description does not identify verbal communication as an essential task for landscape workers, then the organization cannot appropriately refuse to hire someone who cannot speak to fill that job.

**COMPETENCY MODELING**

The process of job analysis has been criticized in recent years, primarily because work today is less structured around specific jobs than it once was. Work activities are more knowledge based. People increasingly work in teams. Task activities are more fluid and are determined through ongoing negotiation among workers. By the time human resource practices based on job analysis can be designed and carried out, the task activities may have changed. Work behavior in modern organizations is thus not easily described.

A recent development designed to adapt to the changing needs of modern organizations is **competency modeling**, which describes jobs in terms of **competencies**—characteristics and capabilities people need in order to succeed at work. Competencies include knowledge, skills, and abilities, but they also seek to capture such things as motivation, values, and interests. Competencies thus include both “can-do” and “will-do” characteristics of people. One area of difference between competency modeling and traditional job analysis is that competency modeling tends to link a broader set of characteristics to work success.

Typical steps for competency modeling are shown in Figure 4.4. Part of data collection is an assessment of competitive strategy. Consistent with the strategic focus of this textbook, competency modeling thus seeks to develop links between work activities and organizational strategy. The competency approach also tailors solutions to purposes and uses. An analysis that will be used for compensation decisions may be different from an analysis that will be used for determining the type of job candidate to recruit. Competencies also tend to be somewhat broader and less specifically defined than the activities assessed in job analysis. Typical competencies might include skill in presenting speeches, ability to follow through on commitments, proficiency in analyzing financial information, and willingness to persist when work becomes difficult. Competencies can be rated in terms of things like current importance, future importance, and frequency.

You can see that job analysis and competency modeling differ in some important respects. Competency modeling is much more likely than job analysis to link work analysis procedures and outcomes to business goals and strategies. However, in most cases, the methods used in competency modeling are seen as being less scientific. Competency modeling procedures are often not documented as clearly as job analysis procedures and may be less rigorous.

Comparing the strengths and weaknesses of traditional job analysis and competency modeling, however, obscures the important contribution that is possible by combining the best elements of the two practices. Competency modeling incorporates strategic issues and allows for a broader range of characteristics. From the other side, traditional job analysis provides excellent techniques for scientifically analyzing work activities. Combining the broader, more strategic approach of competency modeling with scientific methods should yield superior results. Indeed, a series of research studies concluded...
How Do We Determine the Tasks Associated with Each Job?


that a combined approach is better than either approach alone. The best analysis thus seems to be one that incorporates strategic direction and a broader set of characteristics while following the scientific procedures outlined for completing traditional job analysis.

CONCEPT CHECK

1. What are the seven steps involved in job analysis?
2. What can an organization do to make sure its job analysis procedures comply with legal guidelines?
3. How is competency modeling different from job analysis?

LEARNING OBJECTIVE 3

How Do We Determine the Tasks Associated with Each Job?

Next time you visit a sandwich shop, take a moment to observe the work process. Does the same person who takes your order also fix the sandwich and then take your payment? Or does one person take your order, another fix the sandwich, and still another accept your payment? Some shops use a process in which a single employee serves each customer. In other shops, each employee specializes in only one part of the service. Job analysis procedures would find
that each person working in the first shop must perform a lot of different tasks, whereas employees in the second shop perform a limited set of tasks over and over. Job analysis thus provides information about who does what, but it doesn’t tell us anything about how the tasks were combined into jobs in the first place. The process of job design focuses on determining what tasks will be grouped together to form employee jobs. This process of job design is critical, as nearly half of the differences in worker attitudes and behavior can be traced to factors such as task design, social interactions, and work conditions.41

Job design is important when companies are first created and when existing companies open new plants or stores. However, the principles of job design are also important for existing companies that are looking to improve. Many existing companies use job redesign to reorganize tasks so that jobs are changed. Job redesign often increases the sense of control for workers.42 Indeed, job redesign that empowers employees is particularly effective for improving performance when managers have not been providing employees with feedback and information.43 The “Building Strength Through HR” feature describes how such a redesign benefitted a large teaching hospital located in England.

**Building Strength Through HR**

**LEICESTER ROYAL INFIRMIARY**

Leicester Royal Infirmary National Health Service Trust is a large teaching hospital located in England. Each year, the hospital staff of 4,200 people treats 400,000 outpatients, 105,000 inpatients, and 125,000 accident and emergency victims. The hospital used work redesign to reduce waiting time and improve satisfaction for patients. Human resource experts worked with clinical teams to redesign the way services were delivered. The analysis assessed patient needs and determined who should provide care. One common outcome was the streamlining of processes. For example, a review of procedures in one department revealed that five different areas of responsibility and seven transfers of information were required to help a patient make an appointment. These tasks were combined into a single job, resulting in a 15 percent reduction in costs. In some cases, tests that had previously taken hours to complete were delivered in minutes as a result of redesign. Other new processes increased efficiency so that nurses could spend more time with patients. Involving hospital workers in work redesign has improved not only efficiency but also patient satisfaction. Furthermore, nurses have benefited from redesigning jobs in ways that allow each individual to perform a broader array of tasks. This not only improves patient care but also makes nurses’ activities more interesting. Human resource management at Leicester Royal Infirmary builds competitive strength by getting nurses and other workers involved in identifying better ways to complete work tasks.

Problems arise when work tasks are not organized well. Earlier in this chapter, we discussed the concepts of differentiation and integration. Differentiation allows people to specialize in specific tasks, while integration coordinates actions among employees. Employees feel isolated when there is too much differentiation. Many also feel frustrated when they are unable to easily integrate their actions with the actions of other workers. A major objective of work design is thus to differentiate and integrate work in ways that not only make employees more productive but also increase their satisfaction.

Work tasks that are not properly differentiated and integrated deplete employee mental and physical capacity and create fatigue and burnout. Burned out employees are more likely to leave the organization. Workers with unclear roles, and those who experience constraints such as bad equipment and supplies, are particularly at risk. These exhausted employees have decreased motivation and are less likely to help other workers voluntarily. They are also more prone to abuse alcohol and drugs. Some burnout can be resolved by making sure that people have jobs that fit their capabilities and by treating employees fairly. Workers experience less exhaustion when they receive social support from coworkers. People also seem to be better able to cope with exhaustion when they believe that they are performing at a high level. Taking a vacation can also reduce burnout.

Job design and redesign specialists have adopted a number of approaches for attacking the problem of grouping tasks in ways that make jobs more productive and satisfying. The main objective of any work design method is to separate and combine work tasks in ways that make the most sense. What makes sense depends on the overall objective of the organization and is driven by strategic choices. In this section, we describe four general approaches to grouping work tasks: mechanistic, motivational, perceptual, and biological. As you will see, many of the differences in these approaches can be traced to differences among the research areas and disciplines where they originated.

**MECHANISTIC APPROACH**

In a mechanistic approach, engineers apply concepts from science and mathematics to design efficient methods for creating goods and services. In particular, industrial engineers approach job design from the perspective of creating an efficient machine that transforms labor inputs into goods and services. They use principles of scientific management to create jobs that eliminate wasted effort so that organizations can produce goods and services quickly. In creating these jobs, they often use analyses designed to find the work methods that take the least time. For example, in a typical analysis, an observer might use a stopwatch to time different methods for moving boxes from one spot to another. Emphasis is placed on finding the fastest way to lift and carry boxes. The job is then designed so that each employee learns and uses the fastest method.

The basic goal of the mechanistic approach is to simplify work tasks as much as possible. Tasks are automated. Each job is highly specialized, and to the degree possible, jobs are simple. Workers focus on completing only one task at a time, and a small set of tasks is completed over and over. The mechanistic approach thus tends to reduce worker autonomy and create sequential processing. Having workers specialize and complete simplified tasks has indeed been linked to greater efficiency. Organizations pursuing
either Loyal Soldier or Bargain Laborer HR strategies can thus benefit from job design practices that emphasize the mechanistic approach. United Parcel Service (UPS) uses the mechanistic approach as part of a Loyal Soldier HR strategy. UPS needs to move packages as efficiently as possible. People who work as sorters in package warehouses use carefully planned methods for carrying packages. From time to time, specialists observe sorters and make sure that they are following prescribed practices. Truck drivers at UPS also follow specific procedures for tasks such as planning delivery routes and starting trucks. The entire process is very much like an assembly line. The most efficient methods for completing tasks are determined and then taught to everyone. This standardization creates efficiency, which helps reduce the cost of moving packages and, in turn, creates value for customers.

**MOTIVATIONAL APPROACH**

Work design can also be approached from the perspective of psychologists. Instead of seeking to build a machine, psychologists study human minds and behavior. A specific branch of study called organizational psychology emphasizes designing work to fulfill the needs of workers. This motivational approach is aimed at increasing employees’ enjoyment of their work and thus increasing their effort. For example, people given the goal of developing a marketing plan for a cell phone manufacturer might be given a large number of different tasks that allow them to exercise creativity. Jobs are designed not simply to get work done as quickly as possible but also to provide workers with tasks they find meaningful and enjoyable. The “How Do We Know?” feature describes a study that illustrates the benefits of making work tasks meaningful and significant.

Unlike the mechanistic approach, the motivational approach seeks to design work so that it is complex and challenging. One popular model of motivational job design is the job characteristics model, which focuses on building intrinsic motivation. Intrinsic motivation exists when employees do work because they enjoy it, not necessarily because they receive pay. According to the job characteristics model, people are intrinsically motivated when they perceive their work to have three characteristics:

- **Meaningfulness.** People see work as meaningful when they are able to use many different skills, when they can see that their inputs lead to the completion of a specific service or product, and when they see their tasks as having an important impact on other people.

- **Responsibility.** People feel personal responsibility for work outcomes when they have autonomy, which comes from the freedom to make decisions.

- **Knowledge of the results.** Knowledge of the results of work activities comes from receiving feedback in the form of information about how effectively the work is being done.

People who feel intrinsic motivation exhibit higher creativity. This suggests that the motivational approach to job design is particularly useful for organizations pursuing Committed Expert or Free Agent HR strategies. Organizations with these strategies can benefit from the greater intrinsic motivation and creativity that comes from experiencing meaningfulness, responsibility, and knowledge of results. Designing work around motivational principles also increases worker satisfaction and enables organizations to
How Do We Determine the Tasks Associated with Each Job?

How Do We Know?

**DO EMPLOYEES WORK HARDER WHEN THEY THINK THEIR TASKS MATTER?**

Employees are sometimes asked to complete small tasks that they often think are boring. Do employees work harder on these tasks when they believe their actions contribute something valuable to society? Adam Grant sought to answer this question by studying the work outcomes of call center employees and lifeguards.

In one study he conducted an experiment by separating call center employees working at a university into groups. One group of callers developed a greater sense that their work was significant by reading stories about how the funds they were raising had improved the lives of students. Another group read stories from previous employees that described how working as a caller had helped their own personal careers. A third group did not read any stories. The group that read the stories about how much their work could help students obtained more pledges for a higher amount of money than either of the other two groups.

A second study was similar but focused on lifeguards. A sense of the importance of work tasks was communicated to one group of lifeguards by having them read stories about other lifeguards rescuing drowning swimmers. Compared to a control group, the lifeguards who read the lifesaving stories had a higher sense that their work was important. They were more dedicated to their jobs, and they helped others more frequently.

**The Bottom Line.** Employees perform better when they perceive that their work is benefiting others. This sense of making a difference for others is a stronger motivator than a sense that work will benefit oneself. In order to help employees better see the significance of their tasks, Professor Grant recommends that managers share stories with employees about how what they are doing makes a difference for other people.


retain quality employees. In particular, providing workers with high autonomy provides a means for organizations pursuing differentiation strategies to maximize the benefit of employing highly educated and trained workers who often know more than managers.

W. L. Gore & Associates, which you read about earlier in the chapter, offers a good example of a company that uses the motivational approach as part of a differentiation strategy. Workers are given a great deal of autonomy to determine work tasks. Based on their interests and capabilities, they enter agreements that allow them to complete work tasks that they perceive as important. They also have the freedom to engage in a variety of activities. Decreases in efficiency that come from duplication of effort are balanced by high levels of creativity. Internally motivated workers create unique products.

**PERCEPTUAL APPROACH**

Some psychologists take a perceptual, rather than a motivational, approach. Job designers using this approach group tasks together in ways that help workers to process information better. These experts look at things such as how easily displays and gauges can be read and understood. They design written
materials and instructions to be easy to read and interpret. They also examine how much information must be remembered and how much complex problem solving is required.

The basic objective of the perceptual approach is to simplify mental demands on workers and thereby decrease errors. Safety and prevention of accidents are critical. Given its emphasis on simplicity, the perceptual approach to job design usually results in work characterized by sequential processing and low autonomy. Thus, it is most commonly found in organizations pursuing either Loyal Soldier or Bargain Laborer HR strategies. For instance, an oil refinery could use perceptual principles to ensure that gauges and meters are designed to present information clearly so that plant workers do not make mistakes that result in accidents.

**BIOLOGICAL APPROACH**

People with backgrounds in biology and physiology also provide inputs into work design. They study issues associated with health and physical functioning. Physiologists particularly emphasize the physical stresses and demands placed on workers. Yet, physical demands often combine with psychological stress to create injuries.

The biological approach is sometimes associated with **ergonomics**, which concerns methods of designing work to prevent physical injury. Task demands are assessed in terms of strength, endurance, and stress put on joints. Work processes are then designed to eliminate movements that can lead to physical injury or excessive fatigue. Workers are often taught principles such as good posture and elimination of excessive wrist movement.

The basic goal of the biological approach is to eliminate discomfort and injury. Fatigue is reduced by incorporating breaks and opportunities to switch tasks. Short-term gains in efficiency are sometimes sacrificed in order to prevent discomfort or injury to workers. Principles associated with the biological approach can therefore be useful in work that is characterized by sequential processing. Unlike the mechanistic and perceptual approaches, which provide guidance for ways to increase efficiency, the biological approach guides work design specialists in making sure that assembly-line processes do not harm workers. Work design from the biological perspective thus helps organizations with Bargain Laborer or Loyal Soldier HR strategies to balance their quest for efficiency with a focus on the physical needs of workers. A good example is seen in automobile plants where machines and work surfaces are designed to increase employee comfort and eliminate repetitive motions that lead to injuries.

**COMBINING WORK DESIGN APPROACHES**

A potential problem associated with work design is the sometimes conflicting goals of the various approaches. For instance, the mechanistic approach simplifies processes by assigning workers a few specialized tasks that are rapidly repeated. In contrast, the motivational approach emphasizes whole tasks, high variety, and substantial autonomy. Does increased efficiency come at the expense of worker satisfaction and creativity?

Research has indeed found tradeoffs between the motivational and mechanistic approaches. On the one hand, jobs designed around the motivational approach increase job satisfaction, but the price may be reduced efficiency.
On the other hand, jobs designed around the mechanistic approach normally improve efficiency, even though job satisfaction may decline. Still, studies show that tradeoffs are not always necessary and that in some cases jobs can be designed simultaneously from the mechanistic and motivational approaches. In fact, a recently developed Work Design Questionnaire successfully includes measures of work context and task knowledge with social characteristics. In this way the combined approach examines tasks in terms of both motivational and mechanistic properties. For instance, someone performing the job of statistical analyst might be given a set of very specialized tasks to improve efficiency but might also have high expertise and autonomy, which would create a sense of responsibility and ownership.

Combining principles from the mechanistic and motivational approaches can thus lead to jobs that are not only efficient but also satisfying. Of course, in many instances the primary consideration will be either efficiency or motivation; the strategic objectives of the organization should be the primary factor that drives work design. The mechanistic approach, incorporating perceptual and biological influences, is most relevant for organizations pursuing cost strategies. The motivational approach provides important guidance when the underlying strategy is differentiation.

CONCEPT CHECK

1. What are four different approaches to designing jobs in organizations?
2. How does the mechanistic approach differ from the motivational approach?

One area of increasing importance for job design is conflict between work and family. Many employees find it difficult to balance their roles as employees with their roles as parents or spouses. This conflict operates in both directions. Stress from problems at home can have a negative influence on work performance, resulting in family-to-work conflict. At the same time, stress encountered at work can have a negative influence on family life, a situation called work-to-family conflict. In essence, employees have spill-over of work and family stress. For example, employees who experience dissatisfaction at work are more likely to be in a bad mood, and to have lower marital satisfaction, when they return home. Conflict between work and family roles is not restricted to workers in the United States. For example, a survey of Australian construction professionals found that strain in the workplace had a negative influence on family relationships. Nevertheless, compared to workers in areas such as Asia and South America that value groups over individuals, workers in individualistic societies such as the United States are more likely to be dissatisfied and leave when they feel that their work interferes with family.
One simple reason why work and family roles can conflict is shortage of time. Studies have shown that spending more hours at work creates more stress at home and that spending more hours with family can create stress at work. Being able to control work scheduling can, however, buffer some of the stress of not having enough time. A second reason for work and family conflict is that the psychological effort required to cope in one area takes away from resources needed to cope in the other. A young mother who engages in a difficult confrontation with a coworker is likely to be emotionally exhausted when she returns to her family.

Conflict between work and family roles presents problems for both organizations and employees. From the organizational perspective, increased conflict between work and family roles is a problem because it increases absenteeism and turnover. Conflict between roles is a problem for employees because it reduces satisfaction, increases alcohol and drug abuse, and results in poor physical health. These problems tend to be particularly difficult for women. For example, constraints from family duties that inhibit them from accepting international assignments is one particular example of negative family-work conflict for women.

Some organizations are, however, effective in structuring work in ways that help decrease conflict between work and family roles. IBM, which is profiled in the next “Building Strength Through HR” feature, is a good example. One key for IBM and other organizations that minimize work and family conflict is to be seen as fair by employees. People working in these organizations report going beyond minimum expectations by helping coworkers and suggesting ways to improve work processes. This extra effort appears to translate into higher organizational performance. Organizations perform better when they incorporate family-friendly policies and procedures, such as daycare and elder-care assistance, paid parental leave, and flexible scheduling. Some of these policies concern benefits and services, which we discuss in later chapters. But other family-friendly practices, such as flexible scheduling and alternative work locations, relate to job design.

FLEXIBLE WORK SCHEDULING

Dual-career households are common in the United States today. Parents in these households can often benefit from flexible work scheduling that allows them to coordinate the many demands on their time. Flexible scheduling practices allow people to coordinate their schedules with a partner and thereby reduce the conflict associated with being a parent and an employee. The potential benefits are so high that most large organizations provide some form of flexible scheduling. Two of the most common forms of flexible scheduling are flextime and the compressed workweek.

**Flextime**

A scheduling policy that allows employees to determine the exact hours they will work around a specific band of time.

**Flextime** provides employees with the freedom to decide when they will arrive at and leave work. The organization creates a core time period when all employees must be present. For example, a bank may require all tellers to be at work between the busy hours of 11 A.M. and 3 P.M. Outside of this core band, employees can work when they wish. Some may choose to arrive at 7 a.m. so they can go home early. Others may choose to arrive at 11 a.m. and leave at 8 p.m. This flexibility allows employees to better balance work with family and other demands.
How Can Work Be Designed to Improve Family Life?

As you can probably imagine, work design problems can arise with flex-time. Employees who must work with others on projects might find it difficult to coordinate their efforts with coworkers who work on different schedules. Supervision can also be a problem if employees are working when no supervisor is present. These work design issues tend to limit flextime to nonmanufacturing organizations that do not require close supervision or ongoing sequential processing. Flextime is thus most useful for organizations pursuing differentiation strategies.

Organizations that allow flextime reap substantial benefits. Although flextime is associated to some extent with higher productivity, the primary benefit is increased satisfaction among workers. In turn, workers are absent less frequently and are more likely to remain with the organization. Flextime is thus most consistent with the motivational approach to job design.

Compressed Workweek

A compressed workweek enables employees to have full-time positions but work fewer than five days a week. Typically, employees with compressed schedules work four 10-hour days. Allowing employees to have three-day weekends can provide them with additional time for family activities. A compressed workweek may make it easier to schedule events such as doctor and dentist visits. Flextime is thus most consistent with the motivational approach to job design.

International Business Machines Corporation

International Business Machines Corporation (IBM) is an information technology company with over 329,000 employees and annual revenue of $96 billion. Over the last 25 years, IBM has been a leader in helping employees balance work and family issues. Since the 1980s, IBM has offered services such as childcare referral, parental leave, and flexible working arrangements. One innovative program allows full-time employees to move to part-time status; salary and work expectations are reduced, and the company continues to pay full benefits. This practice provides flexibility for workers who may need to spend additional time dealing with family issues, such as caring for a new child or an ailing parent. Flexibility helps IBM retain key employees. In fact, over 70 percent of employees who use flexibility say they would quit working for IBM if the program were not available. IBM has also pioneered programs enabling employees to work where it is most convenient, including at customer sites and in their homes. Analyses suggest that such flexible arrangements can result in substantial improvements in productivity for individual workers and workgroups. Human resource management at IBM builds competitive strength by providing flexible job designs, which enable the company to retain workers who are seeking less traditional types of employment. IBM also has a number of programs that reduce stress between work and family roles.

Sources:
appointments, for example. Commuting on four rather than five days can also reduce time spent traveling and money spent on gasoline.

As with flextime, employees who work a compressed workweek report higher levels of job satisfaction; they also have slightly higher performance. Unlike flextime, the compressed workweek does not appear to decrease absenteeism. As with flextime, employees who work a compressed workweek report higher levels of job satisfaction; they also have slightly higher performance. Unlike flextime, the compressed workweek does not appear to decrease absenteeism. It thus appears that providing flexibility each day may be more beneficial for reducing absenteeism than providing a designated day off each week. However, compressed workweeks may be more feasible than flextime in organizations that use assembly lines. Employees can be scheduled to work at the same time each day, and setup costs can be minimized by longer shifts. Using compressed workweeks does not seem to compromise principles associated with the mechanistic approach to job design, but the longer hours may create fatigue, which is at odds with the biological perspective. Because of its compatibility with assembly-line processes, the compressed workweek seems to be best suited for organizations with Loyal Soldier HR strategies.

**ALTERNATIVE WORK LOCATIONS**

Many organizations allow employees to work at locations other than company facilities. The most common arrangement is for employees to work at home. This practice is often called telework, since employees stay connected with the office through voice and data services provided over telephone lines. Over 80 percent of companies report at least some employees doing telework, and 45 million people in the United States spend at least some of their time teleworking. As described in the “Technology in HR” feature, telework is fundamental for many contemporary organizations.

Researchers evaluating telework have created a list of suggestions to improve its effectiveness. One critical suggestion is to use care in choosing the employees who are allowed to do telework. Most likely to succeed are employees who are independent and conscientious, and employees should embark on telework only after they have physically worked in the office for some time, developing relationships and proving themselves worthy of the opportunity to work at home. A second critical suggestion is that telework should be limited to jobs where it is most appropriate; these jobs often involve word processing, Web design, sales, and consulting. A common characteristic of these jobs is the existence of clear performance objectives and methods for measuring outputs.

In the end, telework offers substantial autonomy and usually requires employees to work independently to complete meaningful tasks. Telework is thus consistent with the motivational approach to job design. Given the need for workers in most jobs to process substantial amounts of information, principles from the perceptual approach can also be important for properly designing telework. In particular, companies need to focus less on work processes and more on establishing clear goals and performance measures. This means that telework is most likely to occur in organizations that are pursuing differentiation strategies.

**CONCEPT CHECK**

1. How do flextime and compressed work weeks make organizations more family friendly?
2. What are advantages and disadvantages of allowing employees to complete their work tasks at alternative locations?
Allowing employees to work from home can help employers retain good workers. One company that allows employees to work at alternative locations is AT&T. The company reports that 30 percent of management employees work full-time outside the office, while another 41 percent work away from the office an average of one or two days a week. The move to work away from the office has cut expenses for office space by $30 million. These and other savings have led AT&T to conclude that allowing employees to work at alternative locations saves the company over $180 million each year.88

Employees at AT&T, as well as other companies, report increased job satisfaction and productivity when they work from home. Not only do they save an average of an hour of driving time each day, but they are no longer subject to the distractions created by coworkers. People who work from home report greater autonomy and decreased stress. Absenteeism and turnover are also usually lower among people who work at home than other employees.89 Technological advancement thus seems to increase the productivity of some employees.

A potential problem with working from home is the sense of isolation that some workers experience. These workers feel that they miss out on important social interaction, and in some cases, they also feel that by working at home their contributions are less likely to be noticed and rewarded. Employees often feel less connected. Indeed, research suggests that working from home more than two days per week can harm relationships with coworkers. Supervisors may perceive a decrease in their ability to influence and coach employees. In addition, the security of data stored on home computers presents a growing concern. Home computers may not be as secure from hackers or other potential thieves as office networks.90 In short, working at home often reduces work-to-family conflict by increasing family-to-work conflict. Therefore, advanced technology that allows someone to work from home should not be seen as an optimal work arrangement for everyone.

In the end, the trend toward more work being completed away from home is likely to continue. Organizations can likely benefit from adopting new technology. However, a number of critical issues suggest that organizations must carefully evaluate the benefits and problems that arise when employees use technology to complete work from home.

A MANAGER’S PERSPECTIVE REVISITED

In the manager’s perspective at the beginning of the chapter, Jane faced a number of issues concerning work tasks. She wondered how to organize work tasks to maximize the success of her team members. Following are answers to the “What Do You Think?” quiz that followed the case. Were you able to correctly identify the true and false statements? Could you do better now?

1. Giving workers more autonomy is a sure way to improve their performance. **FALSE.** Autonomy is most beneficial for organizations that expect creativity. High autonomy can actually cause coordination problems in organizations using efficient processes such as assembly lines.

2. Having updated job descriptions is important to keep a company out of legal trouble. **TRUE.** The courts have ruled that job descriptions are evidence of good human resource practices.

3. The primary objective of good work design is to cluster tasks into jobs that maximize the efficiency of workers. **FALSE.** The primary objective of work design depends on the particular approach being adopted. Efficiency is the primary objective of the mechanistic approach. The motivational approach aims for high satisfaction and intrinsic desire to perform well.

4. People who continuously perform repetitive tasks often find their work to be unsatisfying. **TRUE.** People find work to be satisfying when they experience high autonomy, task meaningfulness, and skill variety.

5. Employees who have flexibility in deciding when they will work have higher performance. **TRUE.** Employees with flextime have higher productivity and are less likely to leave the organization.

Almost all managers are faced with issues concerning effective work design. Jane was wise to assess the effects of autonomy. Following the principles outlined in this chapter could help Jane better coordinate the work of her team members. Updating the job description would be a good place for Jane to start. The effort will be worthwhile, for good job descriptions can help improve many other areas of human resource management. The concepts discussed in this chapter can also help Jane balance the need for efficient work processes with the need to continually motivate her team members.

LEARNING OBJECTIVE 1

How is work design strategic?

Work design practices should align with overall HR strategy. Organizations that pursue either Loyal Soldier or Bargain Laborer HR strategies benefit from efficiency. Efficiency comes from designing work so that employees have relatively little autonomy, meaning that they have little freedom to alter the way tasks are carried out. Efficiency is also increased with sequential processing, which occurs when people use assembly lines to complete work tasks. Competitive strategy that focuses on cost reduction thus aligns with work design practices that limit autonomy and create sequential processing.

Organizations that pursue either Committed Expert or Free Agent HR strategies benefit from innovation and creativity. Innovation comes from designing work so that employees have substantial autonomy, meaning that they have freedom...
to make decisions and ongoing adjustments to the work process. Reciprocal processing, which occurs when employees work closely together and share tasks, also leads to higher creativity. Competitive strategy that focuses on differentiation thus aligns with work design practices that provide high autonomy and create reciprocal processing.

**LEARNING OBJECTIVE 3**

**How do we determine the tasks associated with each job?**

In the mechanistic approach to job design, principles of scientific management are used to determine the most efficient methods for completing work tasks. Each employee is expected to learn and follow procedures that result in producing goods and services as quickly as possible. The motivational approach is concerned with designing jobs to increase workers’ intrinsic motivation. Intrinsic motivation arises when employees feel that their work provides meaningfulness, responsibility, and knowledge of results. When the perceptual approach is used, jobs are designed so that workers can easily process important information. Equipment is developed to simplify work, and accident prevention is a focus. The biological approach involves designing jobs to prevent physical injury. Equipment is used to reduce fatigue and need for excessive movement. Workers are also taught principles such as maintaining good physical posture.

There are some inherent tradeoffs associated with the various approaches to work design. In many cases, striving for efficiency by adopting the mechanistic approach comes at the expense of the principles of the motivational approach. The job design approach should thus be aligned with the overall HR strategy. The mechanistic approach is most appropriate for cost strategies, whereas the motivational approach is most appropriate for differentiation strategies. Yet, benefits can be obtained from simultaneously incorporating principles from all approaches.

**LEARNING OBJECTIVE 2**

**How are employee jobs determined?**

There are seven steps in the job analysis process.  
(1) Get organized by determining who will do the analysis and gaining the support of top management.  
(2) Choose jobs that are critical for success and have a sufficient number of employees.  
(3) Review what has already been written about the job.  
(4) Select job agents, such as incumbents, supervisors, or experts.  
(5) Collect job information through interviews, questionnaires, and observations.  
(6) Create a job description that specifies the actions that workers do when performing the job.  
(7) Create job specifications that list the knowledge, skills, abilities, and other characteristics that workers need in order to successfully perform the job.

In order to guide other human resource practices, job analysis information needs to be translated into a “shopping list” of the characteristics needed by people who perform the job. Some worker-oriented job analysis procedures, such as the Position Analysis Questionnaire, provide a list of characteristics that employees need to succeed at the job. In most cases, the information in a job description needs to be translated into a list of desired worker characteristics. Job agents can do this by examining lists of duties in the job description and determining the knowledge, skills, abilities, and other characteristics that workers need to perform the required tasks. Competency modeling, an alternative to traditional job analysis, seeks to determine a list of desirable worker characteristics linked to the strategic objectives of the organization.

**LEARNING OBJECTIVE 4**

**How can work be designed to improve family life?**

Workers experience work-to-family conflict when the stress they feel at work is carried into their family environment. They experience family-to-work conflict when the stress they encounter at home affects their work. One way to reduce conflict between work and family roles is through flexible scheduling, including flextime and compressed workweeks. Another way to reduce work and family conflict is to allow workers to perform their tasks in alternative locations, such as at home or on the premises of clients. This practice is often referred to as telework because employees communicate with others via telephone lines. Employees who can take advantage of flexible work scheduling and working at alternative locations are more satisfied with their jobs, more productive, and less likely to leave the company.
Chapter 4 • Designing Productive and Satisfying Work

Key Terms

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Compressed workweek 145
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Discussion Questions

1. Why is high autonomy beneficial for organizations pursuing differentiation strategies?
2. What are the key differences between sequential and reciprocal processes of interdependence?
3. Why would government officials expend significant resources creating O*Net? What are the benefits of O*Net?
4. Have you ever seen a job description for a work position you have held? If so, do you think the job description was accurate?
5. Are job descriptions more beneficial for some types of organizations than others? Could having specific job descriptions harm an organization?
6. Would you rather work in an organization using mechanistic job design principles or an organization using motivational principles?
7. Do you think any of the four job design approaches (mechanistic, motivational, perceptual, biological) will become more important in the future? Why? Do you think any of the approaches will become less important as organizations change?
8. Would you like to work a compressed workweek? Why or why not?
9. Do you think you would be successful in a job that allowed you to do telework? What challenges do you think you would face?
10. Identify some specific ways in which strategic work design can guide other human resource practices, such as selecting employees, determining training needs, and making pay decisions.

Example Case

Coney Island Hospital

Often, the success of hospital-based nursing depends on its adaptability. Nurses can ensure that success when they think outside of traditional nursing roles and focus on effective ways to deliver care. You’ll most likely find our assignment familiar: Reduce costs, improve quality and access to care, and improve satisfaction for patients and caregivers. This is no small feat, and it requires caregivers to innovate new ways to care for patients.
To start the work redesign, we created a steering committee to collect and analyze data and create the new design. The committee included nurses from administration, education, middle management, and direct care providers, as well as nurses with differing credentials (RN and LPN) who work all shifts.

The committee agreed that staff satisfaction, leading to increased autonomy and control, would be one of its priorities while developing the new model. The committee had a threefold objective:

1. Develop a nursing model that will more efficiently utilize RNs, LPNs, and unlicensed assistive personnel within quality standards.
2. Give staff attractive and satisfying roles.
3. Stay within the current budget.

The committee collected data through surveys, interviews, onsite observations, and work sampling. Topics for data collection included:

- The efficiency of nursing care delivery (focusing on nursing and non-nursing tasks)
- The impact of managed care on the nurse’s role
- Issues that occupy the nurse’s time, affect staffing, and create chaos
- Patient management throughout the hospital stay, including ways to decrease length of stay
- Nurse-physician communication
- Working relationships across departments

Each committee member took part in gathering the data and presenting it to the committee. Members defined and redefined roles based on the actual and described job performances of RNs, LPNs, and unlicensed assistive personnel. They also identified problem areas in the delivery system.

Next, we needed to write a work redesign proposal. The committee members wrote wish lists for the nursing model redesign with input from their peers and presented them to the committee.

With the newly designed jobs, certain registered nurses (admission nurses) would work to help transition patients to the units, maintaining the continuum of care. The nurse’s primary responsibility would be to minimize admission delay at the point of entry and to make this experience less distressing to patients. Today, the admission RN interviews the patient, develops a care plan, explains procedures, and tries to alleviate the patient’s anxiety.

Nurses work at the other end of the continuum as well. Discharge RNs work with other disciplines to plan expedient discharge. Their primary objectives are to ensure that the patient leaves the hospital without any delays in the discharge process and that he or she experiences favorable outcomes.

Discharge RNs also emphasize patient education and follow-up appointments. They call the patient the day after discharge to ensure that he or she:

- Understood instructions
- Could obtain medications and is taking them properly
- Gets an earlier follow-up appointment if necessary
- Was satisfied with hospitalization

Positive results of this new process include the following:

- Decreased time patients spend in the emergency room, which enhances patient satisfaction
- Increased compliance with guidelines for effective healthcare
- Improvement in patient ratings of nurse performance, particularly in the area of time spent doing paperwork
QUESTIONS
1. What are some specific ways in which the new work design improves the satisfaction of patients?
2. How do you think the new procedures increase autonomy?
3. What lessons can be learned from this case about the way to implement effective work redesign?


DISCUSSION CASE

Josh’s Toy Manufacturing

Josh’s Toy Manufacturing is a manufacturer of small toys that are included in kids’ meals at fast-food restaurants. Josh’s uses plastic injection technology to produce toys efficiently. Price is the main criterion restaurant chains use to determine whether they will buy toys from Josh’s or some other manufacturer.

One assembly line for toy manufacturing at Josh’s has four machines. Each machine requires an operator. Operator skill is important, since an effective operator can often manufacture toys twice as fast as an ineffective operator. The four operators on the assembly line at Josh’s were hired a year ago when the new line began operation. Machine 1 is very loud, making its operation the least desirable job. Machines 2 and 3 are very similar and require operators to constantly push a variety of levers. Working on Machine 4 is the easiest job, as the operator does little more than monitor progress and push buttons. The four operators currently rotate every hour so that each operator spends two hours on each machine during an eight-hour workday.

<table>
<thead>
<tr>
<th>Machine 1</th>
<th>Machine 2</th>
<th>Machine 3</th>
<th>Machine 4</th>
<th>Units Made</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hour 1</td>
<td>Mary</td>
<td>Bonnie</td>
<td>Tom</td>
<td>Fred</td>
</tr>
<tr>
<td>Hour 2</td>
<td>Fred</td>
<td>Bonnie</td>
<td>Tom</td>
<td>Fred</td>
</tr>
<tr>
<td>Hour 3</td>
<td>Tom</td>
<td>Fred</td>
<td>Mary</td>
<td>Bonnie</td>
</tr>
<tr>
<td>Hour 4</td>
<td>Bonnie</td>
<td>Tom</td>
<td>Fred</td>
<td>Mary</td>
</tr>
</tbody>
</table>

Supervisors have noted that production output varies depending on which operator is working on which machine. The chart shows this variance.

Analysis suggests that lower production during Hour 2 mostly results from Fred’s having trouble working with Machine 1. The noise bothers him more than the others, and he often takes short breaks to walk away from the machine and regain his composure. The relative high productivity during Hour 3 can be traced to having Bonnie work on Machine 4. Bonnie finds it especially difficult to work on Machines 2 and 3.

Given their current production process, the four operators produce an average of 2,610 units each day. If they worked all day in the Hour 3 configuration they could average 3,200 units each day, which would be a production increase of over 22 percent.
QUESTIONS

1. Do you recommend that the four machine operators continue to switch machines every hour? Would you recommend that the operators be permanently assigned to the machines they currently operate during Hour 3? What do you think would be the consequences of any changes you might recommend?

2. How can the principles of the mechanistic approach to job design inform a decision about how to assign workers to machines? What about the principles of the motivational approach? the perceptual approach? the biological approach?

3. How could job analysis be used to improve this assembly line?

EXPERIENTIAL EXERCISE

Assessing the Accuracy of Job Descriptions

Find out the job titles of three friends or acquaintances. Use the O*Net database (http://online.onetcenter.org) to obtain a job description and specifications for each position. Have each friend or acquaintance read the information you obtained for his or her job position. After the friend or acquaintance has looked at the material you obtained, discuss the following questions.

1. Which of the things listed in the job description does the person not do as part of his or her job?

2. What important tasks or duties have been left out of the job description?

3. Which of the tasks or duties take up the most time? Which tasks are most important for achieving high performance? Are the tasks that are performed most frequently the same as those that are most important?

4. Given the particular job, how often would this list of tasks and duties need to be revised to make sure that it is up to date?

5. Which of the knowledge, skills, and abilities listed in the description does the person consider most critical for performing this job well?

6. What advice would the person give to a college student who might want to work in the job someday?

Once you have discussed the job descriptions and specifications with three different people, answer the following questions.

1. How are the jobs similar? How are they different?

2. Are there any tasks that seem to be important across all of the jobs?

3. Are there any areas of knowledge, skills, or abilities that seem to be important across the different jobs?

4. Are the tasks that are most frequently done in a job generally the same as the tasks that are most important for success?

INTERACTIVE EXPERIENTIAL EXERCISE


http://www.wiley.com/college/sc/stewart

Access the companion website to test your knowledge by completing a Mega Manufacturing interactive role-playing exercise.

In this exercise, you work with another client, Graphics Design, Inc. (GDI), who produces display boards and signs. The company is in the process of creating several new positions because of growth and a need for more efficiency. You recommend that some form of job analysis be used to design the features of the new
jobs. One of the company’s managers tells you that job analysis isn’t necessary, since the new jobs will be similar to existing jobs. But in view of the company’s need for increased efficiency and its preference for employees with high levels of loyalty, you are not sure that the old job descriptions can or should be used. When the CEO asks for your input, how will you respond?  

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