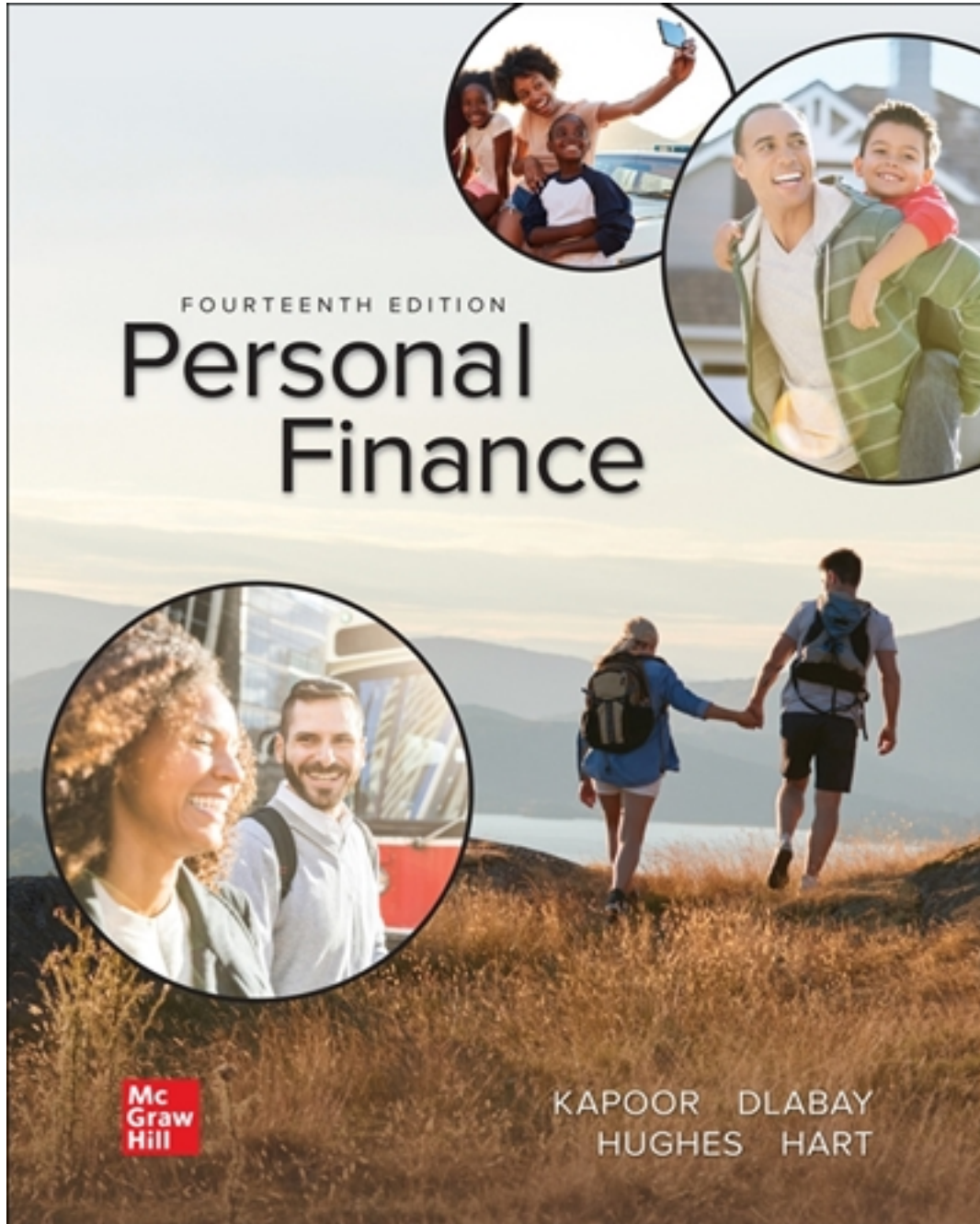


Solutions for Personal Finance 14th Edition by Kapoor

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Solutions

Kapoor, Personal Finance, 14e

Chapter 2 Solutions

1. *Determining the Future Value of Education.* Jenny Lopez estimates that as a result of completing her master's degree, she will earn an additional \$10,000 a year for the next 40 years.
 - a. What would be the total amount of these additional earnings?
 - b. What would be the *future value* of these additional earnings based on an annual interest rate of 4 percent? (Use a financial calculator or [Exhibit 1-B](#) in the [Chapter 1 Appendix](#).)

Solution:

- a. $\$10,000 \times 40 = \$400,000$
- b. $\$10,000 \times 95.026 = \$950,260$

LO: 2-1

Topic: Determining the Future Value of Education

LOD: Medium

Bloom tag: Application

2. *Comparing Living Costs.* Luke Anderson is earning \$52,000 a year in a city located in the Midwest. He is interviewing for a position in a city with a cost of living 12 percent higher than where he currently lives. What is the minimum salary Brad would need at his new job to maintain the same standard of living?

Solution: $\$52,000 \times 1.12 = \$58,240$

LO: 2-2

Topic: Comparing Living Costs

LOD: Easy

Bloom tag: Application

TBEXAM.COM

3. *Calculating Future Value of Salary.* During a job interview, Pam Thompson is offered a salary of \$32,000. The company gives annual raises of 3 percent. What would be Pam's salary during her fifth year on the job?

Solution:

Year 1: \$32,000

Year 2: $\$32,000 \times 1.03 = \$32,960$

Year 3: $\$32,960 \times 1.03 = \$33,948.80$

Year 4: $\$33,948.80 \times 1.03 = \$34,967.26$

Year 5: $\$34,967.26 \times 1.03 = \$36,016.28$

(Alternate solution: $\$32,000 \times 1.126 \text{ (FV\$1 3\%, 4 years)} = \$36,032$)

LO: 2-3

Topic: Calculating Future Value of Salary

LOD: Medium

Bloom tag: Application

4. *Computing Future Value.* Calculate the future value of a retirement account in which you deposit \$2,000 a year for 30 years with an annual interest rate of 6 percent. (Use a financial calculator or the tables in the [Chapter 1 Appendix](#).)

Solution: $\$2,000 \times 56.085 = \$112,170$

LO: 2-4

Topic: Computing Future Value

LOD: Easy

Bloom tag: Application

5. *Comparing Taxes for Employee Benefits.* Which of the following employee benefits has the greater value? Use the formula given in the [Financial Literacy Calculations](#) feature to compare these benefits. (Assume a 28 percent tax rate.)
- A nontaxable pension contribution of \$4,300 or the use of a company car with a taxable value of \$6,325.
 - A life insurance policy with a taxable value of \$450 or a nontaxable increase in health insurance coverage valued at \$340.

Solution:

- \$4,300 divided by .72 equals a tax-equivalent value of \$5,972.22 which would be less than the \$6,325 taxable item; the company car has a higher financial value to the employee.
- \$450 times .72 equals an after-tax value of \$324 compared to the nontaxable health insurance of \$340; the health insurance coverage has a higher financial value.

LO: 2-4

Topic: Comparing Taxes for Employee Benefits

LOD: Hard

Bloom tag: Application, analysis

6. *Comparing Employment Offers.* Bill Mason is considering two job offers. Job 1 pays a salary of \$36,500 with \$4,500 of nontaxable employee benefits. Job 2 pays a salary of \$34,700 and \$6,120 of nontaxable benefits. Which position would have the higher monetary value? Use a 28 percent tax rate.

Solution:

Job 1: $\$36,500 + [\$4,500 / (1 - 0.28)] = \$42,750$.

Job 2: $\$34,700 + [\$6,120 / (1 - 0.28)] = \$43,200$.

LO: 2-4

Topic: Comparing Employment Offers

LOD: Hard

Bloom tag: Application, Analysis

7. *Calculating the After-Tax Value of Employee Benefits.* Helen Ming receives a travel allowance of \$180 each week from her company for time away from home. If this allowance is taxable and she has a 24 percent income tax rate, what amount will she have to pay in taxes for this employee benefit?

Solution: $\$180 \times 52 \text{ weeks} = \$9,360 \times 0.24 = \$2,246.40$

LO: 2-4

Topic: Calculating the After-Tax Value of Employee Benefits

LOD: Easy

Bloom tag: Application

8. *Future Value of Advanced Training.* Joshua Kelly estimates that taking some classes would result in earning \$4,200 more a year for the next 30 years. Based on an annual interest rate of 4 percent, calculate the future value of these classes.

Solution: $\$4,200 \times 47.575$ (future value of annuity) = \$199,815

LO: 5

Topic: Future Value of Advanced Training

LOD: Easy

Bloom tag: Application

9. *Comparing the Value of a Career Change.* Marla Opper currently earns \$50,000 a year and is offered a job in another city for \$56,000. The city she would move to has 8 percent higher living expenses than her current city. What quantitative analysis should Marla consider before taking the new position?

Solution: $\$50,000 \times 1.08 = \$54,000$ is the amount required in the new city for comparable living expenses; a salary of \$56,000 exceeds that amount.

LO: 2-5

Topic: Comparing the Value of a Career Change

LOD: Medium

Bloom tag: Application, analysis

TBEXAM.COM

Chapter

2

Financial Aspects of Career Planning

TABLE OF CONTENTS

Overview of the Chapter	2
Teaching Resources	4
Chapter 2.1: Career Choice Factors	5
Chapter 2.2: Career Opportunities: Now and in the Future	8
Chapter 2.3: Employment Search Strategies	11
Chapter 2.4: Financial and Legal Aspects of Employment	15
Chapter 2.5: Long-Term Career Development	18
Chapter 2 Quiz	22
Supplemental Activity	23
Problems	25
Financial Planning Case	27
Continuing Case	27

OVERVIEW OF THE CHAPTER

A person's career and work situation is frequently overlooked in financial planning. Your career will influence the financial resources you have available for spending, savings, and investing. In addition, a career interacts with a person's lifestyle, interests, and values, all of which influence financial decisions. This chapter provides a basic understanding of career planning, job selection, and obtaining an employment position. Included is practical information regarding career information sources, creating a résumé and cover letter, and interviewing. In addition, material on evaluating a job offer, assessing financial benefits, and considering a career change is presented.

2.1 Career Choice Factors

LO: Describe activities associated with career planning and advancement.

Career planning and advancement involve the following stages and activities: (1) assess and research personal goals and abilities and career fields, (2) evaluate the employment market and identify specific employment opportunities, (3) develop a résumé and cover letter for use in applying for available positions, (4) interview for available positions, (5) evaluate financial and other factors of the positions you are offered, and (6) plan and implement a program for career development.

2.2 Career Opportunities: Now and in the Future

LO: Evaluate factors that influence employment opportunities.

Consider the selection of a career in relation to personal abilities, interests, experience, training, and goals; social influences affecting employment such as demographic trends, changing economic conditions, and industrial and technological trends.

2.3 Employment Search Strategies

LO: Implement employment search strategies.

For successful career planning and development, do the following. Obtain employment or related experiences by working or by participating in campus and community activities. Use career information sources to gain insight into employment fields and to identify job opportunities. Prepare a résumé and cover letter that effectively present your qualifications for a specific employment position. Practice the interview skills that project enthusiasm and competence.

2.4 Financial and Legal Aspects of Employment

LO: Assess financial and legal concerns related to obtaining employment.

Evaluate the work environment and compensation package of prospective places of employment. Assess employee benefits on the basis of their market value, future value, and taxability, and of your personal needs and goals. Prospective and current employees have legal rights with regard to fair hiring practices and equal opportunity on the job.

Chapter 2 – Financial Aspects of Career Planning

2.5 Long-Term Career Development

LO: Analyze techniques available for career growth and advancement.

Informal and formal education and training opportunities are available to foster professional development and to facilitate career changes.

TEACHING RESOURCES

Section	Title
2.1: Career Choice Factors	Career Mistakes
	Hard Skills vs. Soft Skills
	Career Aptitude Tests
	Career Interest Survey
2.2: Career Opportunities: Now and in the Future	Career Trends
	Careers With Growth
	GIG Economy Retirement Planning
2.3: Employment Search Strategies	Career Networking
	Online Job Search
2.4: Financial and Legal Aspects of Employment	Evaluating Employee Benefits
	Unique Employee Benefits
	Negotiating Salary
2.5: Long-Term Career Development	Mentoring vs. Coaching
	Changing Careers
	Career Training Opportunities

2.1 Career Choice Factors

Pages: 46–50

PowerPoint Slides 3–8

Interactive Resources:

Discussion Questions:

How might different people measure career success?

Answers will vary

Classroom Resources:

Have students suggest actions for avoiding these career mistakes

[Career Mistakes](#)

Have students prepare a summary of their hard and soft skills

[Hard Skills vs. Soft Skills](#)

Encourage students to take a career aptitude test

[Career Aptitude Tests](#)

Have students take this career interest assessment

[Career Interest Survey](#)

Connect Resources:

End of Chapter Problems (Static & Algorithmic)

Videos with assignable questions:

Career Planning Process

Career Trade-Offs

Section 2.1 Key Concepts:

Career Choice Factors

- Like any other decision, employment selection involves a trade-off among various factors and requires an ongoing reassessment of the situation.

Trade-Offs of Career Decisions

- While many factors affect your daily living habits and your financial choices, your employment situation probably affects them most.

Chapter 2 – Financial Aspects of Career Planning

- Like other decisions, career choice and professional development alternatives have many risks and opportunity costs. The many career choices you make will require continual evaluation of trade-offs related to personal, social, and economic factors.

Career Training and Skill Development

- Your level of formal training is a determinant of your financial success.
- In addition to formal career training, most successful people, employers, and career counselors stress the importance of certain traits that are adaptable to most work situations; these include:
 - An ability to work well with others in a variety of settings.
 - A desire to do tasks better than they have to be done.
 - An interest in reading a wide variety and a large quantity of materials.
 - A willingness to cope with conflict.
 - An ability to anticipate problems.
 - A knowledge of technology and computer software.
 - An ability to solve problems creatively in team settings.
 - A knowledge of research techniques and library resources.
 - Effective written and oral communication skills.
 - An understanding of both their motivation and the motivation of others.

Note: *Exhibit 2-1* shows median weekly earnings for various levels of education.

Personal Factors

- **Aptitudes** are natural abilities that people possess.
- Interest inventories determine the activities that give you the most satisfaction.
- A vital ingredient in career choice is flexibility, since change will be an integral part of your working life and the job market.

Note: *Financial Literacy for My Life* provides steps to developing an effective career plan.

Career Decision Making

- Because of changing personal and environmental factors, you will need to continually assess your work situation.

Note: *Exhibit 2-2* visualizes the stages of career planning and advancement.

Chapter 2 – Financial Aspects of Career Planning

Practice Quiz 2-1

1. How does a job differ from a career?

A job is an employment position that is usually obtained mainly for money. In contrast, a career is a commitment to a profession that requires continued training and offers a clear path to occupational growth.

2. What opportunity costs are associated with career decisions?

Career trade-offs include making less money for personal satisfaction, not taking a promotion that requires moving, working part-time in order to spend time with family, and owning your own business instead of working for someone else.

3. What skills would be of value in most employment situations?

Working well with others, a desire to improve, a wide variety of reading interests, coping with conflict, adapting to change, anticipating problems, computer knowledge, working in teams, creative problem solving, research ability, communication skills, and understanding motivation.

2.2 Career Opportunities: Now and in the Future

Pages: 50–53

PowerPoint Slides 9–13

Interactive Resources:

Discussion Question:

What actions could a person take to have skills that are always in demand?

Choose a career in an industry with growing employment potential such as IT, Health Care, Environmental Services, or Business Services.

Classroom Resources:

How might a person prepare for jobs with the most potential for the future?

[Career Trends](#)

What factors affect demand for various jobs?

[Careers With Growth](#)

What are benefits and drawbacks for gig economy workers?

[GIG Economy Retirement Planning](#)

[Supplemental Activity](#)

Connect Resources:

End of Chapter Problems (Static & Algorithmic)

Section 2.2 Key Concepts:

- Your decision to work in a specific field is influenced by three factors.

Social Influences

- Various demographic and geographic trends are influencing employment opportunities.
- More working parents, increased leisure time, an increase in the number of older people, and increased demand for employment training are some trends affecting the job market.

Note: *Exhibit 2-3* lists potential variables in career opportunities.

Chapter 2 – Financial Aspects of Career Planning

- With more college-educated people entering the work force, the job market is becoming more competitive.
- Changes in location of job and regional salaries influence employment opportunities and demand for available positions.

Economic Conditions

- In certain industries, high interest rates, price increases, or reduced demand for goods and services can restrict career opportunities.

Industry Trends

- Increased foreign competition and changing automation have reduced the demand for manufacturing jobs.
- Fields that are expected to have the greatest employment potential in the near future are:
 - Information technology
 - Health care and medical technology
 - Environmental services
 - Business services
 - Social services
 - Sales and retailing
 - Hospitality and food services
 - Management and human resources
 - Education
 - Financial services

Note: *Financial Literacy for My Life* provides several career trends for entrepreneurs.

Chapter 2 – Financial Aspects of Career Planning

Practice Quiz 2-2

1. What are some demographic and economic factors that affect career opportunities?

The availability of jobs is affected by economic conditions (interest rates, consumer demand) and social influences (two-income families, single parent households, people living longer).

2. How does technology affect available employment positions?

Technology decreases the need for manual workers and increases the need for technical skills.

2.3 Employment Search Strategies

Pages: 54–59

PowerPoint Slides 14–20

Interactive Resources:

Discussion Question:

How could you effectively use networking to advance your job search?

Prepare a short 30-s “elevator speech,” volunteer for committees and professional organizations, talk to other professionals about themselves and their experiences.

Classroom Resources:

What actions have you taken in the past related to career networking?

[Career Networking](#)

What aspects of online career planning activities are not covered in this video?

[Online Job Search](#)

Note: Also see Chapter Appendix links for resources related to resumes, cover letters, and interviewing

Connect Resources:

End of Chapter Problems (Static & Algorithmic)

Videos with assignable questions:

Effective Résumés

Section 2.3 Key Concepts:

- A variety of techniques can assist you in expanding your experience, assessing employment opportunities, and applying for your next position.

Obtaining Employment Experience

- Work experience may be gained through:
- Part-time or summer employment
- Volunteer work
- Internships
- Campus projects and activities

Using Career Information Sources

- The main sources of career information are:
 - Library materials
 - Media career information
 - Online sources

Note: *Exhibit 2-4* provides sources for career information.

- Career development office
- **Networking** is the process of making and using contacts to obtain and update career information, through community organizations, professional associations, and business and personal contacts
- An **informational interview** is a meeting designed to gather information about a career or organization.

Note: The *How To ...* feature (textbook page 57) provides tips for navigating a changing job market.

Identifying Job Opportunities

- Advertisements for employment opportunities were previously found in newspapers and other print media. While some still exist, nearly all job listings are now online.
- In addition to newspaper websites, check for available positions offered through professional organizations, trade associations, online sources, and the contacts you develop through campus activities and career fairs.
- In an attempt to work in a specific career or for a particular company, match your interests and abilities with the needs of an organization.
- For-profit and government-supported employment agencies are another source for finding available positions.
- After researching a particular company or industry, design a presentation that communicates how your abilities could contribute to that organization.
- **Job creation** involves developing an employment position that matches your skills with the needs of an organization.
- With a very large percentage of available jobs not advertised to the general public, other job search techniques should be considered.
- Visit places you would like to work and make face-to-face contacts.
- Consider every type of organization for available positions.
- Develop a job description outlining the skills you can offer.
- Work as many hours a week *getting* a job as you expect to work *on* the job.

Applying for Employment

Chapter 2 – Financial Aspects of Career Planning

- The **résumé**, a summary of education, training, experience, and qualifications, provides prospective employers with an overview of your potential contributions to an organization.
- A **cover letter** is the correspondence you send with a résumé to communicate your interest in a job and to obtain an interview.
- The **interview** is the formal meeting used to discuss your qualifications in detail.

Chapter 2 – Financial Aspects of Career Planning

Practice Quiz 2-3

1. How can a person obtain employment-related experiences without working in a job situation?

Employment-related experiences may be obtained through an internship program, cooperative education, volunteer work with community organizations, class assignments, and campus activities.

2. What types of career information sources can be helpful in identifying job opportunities.

Helpful career information sources include library materials, newspapers, magazines, the Internet, career development office, community organizations, professional associations, and business contacts.

3. What actions might a person take to identify job opportunities that may not be advertised?

Participate in networking and career fairs, utilize employment agencies, LinkedIn or college campus career offices.

2.4 Financial and Legal Aspects of Employment

Pages: 60–63

PowerPoint Slides 21–24

Interactive Resources:

Discussion Question:

What are several factors used to determine if a company is making a competitive offer?

Corporate culture, policies, salary, responsibilities, taxable and nontaxable benefits.

Classroom Resources:

What factors affect the employee benefits selected by most people?

[Evaluating Employee Benefits](#)

Have students suggest employee benefits that would be of value for various household and life situations

[Unique Employee Benefits](#)

Based on the article, ask students to suggest actions for negotiating salary

[Negotiating Salary](#)

Connect Resources:

End of Chapter Problems (Static & Algorithmic)

Videos with assignable questions:

Tax-Equivalent Employee Benefits

Section 2.4 Key Concepts:

- Carefully assess the organization, the specific employment position, and the salary and other financial benefits when evaluating an employment position.

Accepting an Employment Position

- Before accepting a position, you may want to do further research about the job and the company.
- You should look into company policies and procedures.

Evaluating Employee Benefits

- Financial benefits may be viewed in three time frames:
 1. Immediate, or short-term, benefits include salary and other monetary payments.
 2. Interim benefits include holidays, vacation, insurance, tuition reimbursement, and discounts.
 3. Long-term benefits involve profit sharing and retirement programs.
- Your initial salary will be influenced by your education and training, company size, and salaries for comparable positions.
- Performance quality and work responsibilities are main influences on salary advances.
- **Cafeteria-style employee benefits** are programs that allow workers to base their job benefits on a credit system and personal needs; the system allows flexible selection of employee benefits.

Note: *Financial Literacy for My Life* demonstrates how some companies are offering creative employee benefits.

- Many organizations offer *flexible spending plans*, also called *expense reimbursement accounts*. This arrangement allows employees to set aside part of their salary for paying medical or dependent care expenses.
- Two methods may be used to assess the monetary value of employee benefits:
 1. **Market value** calculations determine the specific monetary value based on the cost if the employee has to pay for the item.
 2. **Future value** calculations can enable you to assess the long-term worth of such employee benefits as pension program and retirement plans.
- A **tax-exempt** benefit is one on which you won't have to pay income tax, but a **tax-deferred** benefit will result in the payment of income tax at some time in the future, such as at retirement.

Your Employment Rights

- You have various legal rights both during the hiring process and on the job; these include:
 - No discrimination in the selection process.
 - Minimum wage and overtime pay in certain situations.
 - Worker's compensation, Social Security, and unemployment insurance.

Chapter 2 – Financial Aspects of Career Planning

Practice Quiz 2-4

1. How does a person's life situation determine the importance of certain employee benefits?

Personal needs and those of other household members will influence the selection of various employee benefits. Different life situations will affect a person's emphasis on insurance benefits, child and dependent care benefits, and opportunities for additional vacation time or advanced training.

2. What methods can be used to measure the monetary value of employee benefits?

Market value and future value calculations can be used to compare employee benefits.

2.5 Long-Term Career Development

Pages: 63–65

PowerPoint Slides 25–31

Interactive Resources:

Discussion Question:

Is a person's advancement in an organization usually the result of skills and initiative or personal contacts?

Answers will vary; both skills and contacts are very important to advancement.

Classroom Resources:

How might mentoring and coaching be of value to you for career development?

[Mentoring vs. Coaching](#)

What actions might a person take when considering a career change?

[Changing Careers](#)

Based on this information, have students prepare a brief career training plan for their future

[Career Training Opportunities](#)

Connect Resources:

End of Chapter Problems (Static & Algorithmic)

Section 2.5 Key Concepts:

- Every day of your work life, you can perform duties that will contribute to your career success. Communicating and working well with others will enhance your chances for financial advancement and promotion.

Training Opportunities

- Society requires a continual updating of information and skills.
- Various methods for updating and expanding your knowledge are available.
 - Formal methods include company development activities, seminars offered by professional organizations, and graduate and advanced college courses.
 - Informal methods for obtaining knowledge include reading and discussion with colleagues.

Note: *Exhibit 2-5* visualizes the stages of career development.

Chapter 2 – Financial Aspects of Career Planning

Career Paths and Advancement

- Like any other financial decisions, previous employment decisions must be reevaluated in light of changing economic and social conditions.
- A successful technique for coping with the anxieties associated with career development is to gain the support of an established person in your field. A **mentor** is an experienced employee who serves as a teacher and counselor for a less experienced person in a career field.

Changing Careers

- Changing jobs may be more difficult than selecting your first job. Indications that it is time to move on include:
 - Weak motivation
 - Emotional distress
 - Poor performance evaluations
 - A lack of social interactions
 - Limited opportunity for advancement
 - A poor relationship with your superior
- Carefully assess the financial and personal costs and benefits of changing careers; then determine whether a career change will serve your needs and goals and those of your household.

Practice Quiz 2-5

1. What types of activities would you recommend for people who desire career advancement and professional growth?

For increased personal and economic career advancement, improved daily work habits can be a key to success. In addition, improvements in your communication and human relations skills are also beneficial. Continuing education such as personal study, formal courses, and professional seminars will also increase your chances of financial and economic advancement.

2. What factors should a person consider before changing jobs or career fields?

A person should consider the personal and financial costs of the job change along with determining how the new situation will serve personal needs and goals

Concluding Activities

- Use the “Your Personal Finance Roadmap and Dashboard” feature to highlight career planning activities for various ages and life situations.
- Point out the summary of learning objectives and key terms in the text margin.
- Discuss selected end-of-chapter Financial Planning Problems, Financial Literacy Activities, Financial Planning Case, and Continuing Case.
- Have students apply their learnings to their own finances using the Your Personal Financial Plan and Daily Spending Diary end-of-chapter activities.
- Use the Chapter Quiz in the *Instructor’s Manual*.

CHAPTER 2 QUIZ ANSWERS

True/False

1. T (p. 47)
2. F (p. 49)
3. F (p. 56)
4. T (p. 58)
5. T (p. 60)

Multiple Choice

6. C (p. 49)
7. C (pp. 50–51)
8. A (pp. 55–56)
9. D (p. 59)
10. D (pp. 64–65)

Chapter 2 – Financial Aspects of Career Planning

Name _____

Date _____

CHAPTER 2 QUIZ

TRUE/FALSE

- _____ 1. Education level is a major influence on a person's potential earning power.
- _____ 2. Aptitude tests measure a person's interests related to different types of work.
- _____ 3. An informational interview has the purpose of obtaining employment in a specific job position.
- _____ 4. Networking through personal and business contacts is an important step for finding employment opportunities.
- _____ 5. Initial salary will be based on education, training, company size, and salaries for comparable positions.

MULTIPLE CHOICE

- _____ 6. An interest inventory is designed to measure _____.
 - a. aptitudes.
 - b. future earning power.
 - c. the most satisfying job activities.
 - d. success in various school courses.
- _____ 7. An example of a social influence on career opportunities would be _____.
 - a. foreign competition.
 - b. lower interest rates.
 - c. longer life expectancy.
 - d. increased automation of office skills.
- _____ 8. Professional associations would be most helpful in career planning by _____.
 - a. providing information on training for a career area.
 - b. listing jobs available for graduating students.
 - c. assisting in finding government employment.
 - d. interviewing prospective employees for companies.
- _____ 9. The item least likely to be included on a résumé is _____.
 - a. school experience.
 - b. community service activities.
 - c. a home address.
 - d. references.
- _____ 10. Which of the following is a valid reason to move on from a current job?
 - a. low motivation toward your current work
 - b. physical or emotional distress caused by your job
 - c. limited opportunity for salary or position advancement
 - d. all of these

Supplemental Activity

How Satisfying Is Your Current Job?

For each of the following items, answer yes or no:

Yes No

1. I enjoy the work I'm doing.
2. I have opportunities to develop my special talents.
3. My job is usually challenging.
4. The pay and financial benefits are appropriate.
5. I have good job security.
6. I rarely have conflicts on the job.
7. There are reasonable opportunities for promotion.
8. Promotions are handled fairly.
9. Management appreciates my efforts.
10. I get enough direction and support from
11. My work environment is friendly and congenial.
12. I can choose when I want to take time off.

Chapter 2 – Financial Aspects of Career Planning

If you answered:

Yes 9–12 times — You are relatively happy and satisfied in your work.

Yes 6–8 times — Like most people, your job has good and bad points. Make efforts to improve any areas of major concern.

Yes 3–5 times — Your job is only tolerable. Try to reposition your duties or consider a move.

Yes 0–2 times — This job is not meeting your needs. A change is almost inevitable. Consider retraining or an advanced degree.

FINANCIAL PLANNING PROBLEMS

1. Jenny Lopez estimates that as a result of completing her master's degree, she will earn an additional \$10,000 a year for the next 40 years. (LO 2.1)

a. What would be the total amount of these additional earnings?

$$\$10,000 \times 40 = \$400,000$$

b. What would be the *future value* of these additional earnings based on an annual interest rate of 4%? (Use a financial calculator or Exhibit 1-B in the Chapter 1 Appendix).

$$\$10,000 \times 95.026 = \$950,260$$

2. Luke Anderson is earning \$52,000 a year in a city located in the Midwest. He is interviewing for a position in a city with a cost of living 12% higher than where he currently lives. What is the minimum salary Luke would need at his new job to maintain the same standard of living? (LO 2.2)

$$\$52,000 \times 1.12 = \$58,240$$

3. During a job interview, Pam Thompson is offered a salary of \$32,000. The company gives annual raises of 3%. What would be Pam's salary during her fifth year on the job? (LO 2.3)

Year 1: \$32,000

Year 2: $\$32,000 \times 1.03 = \$32,960$

Year 3: $\$32,960 \times 1.03 = \$33,948.80$

Year 4: $\$33,948.80 \times 1.03 = \$34,967.26$

Year 5: $\$34,967.26 \times 1.03 = \$36,016.28$

(Alternate solution: $\$32,000 \times 1.126 [\text{FV\$1 } 3\%, 4 \text{ years}] = \$36,032$)

4. Calculate the future value of a retirement account in which you deposit \$2,000 a year for 30 years with an annual interest rate of 6%. (Use a financial calculator or the tables in the Chapter 1 appendix.) (LO 2.4)

$$\$2,000 \times 79.058 = \$158,116$$

5. Which of the following employee benefits has the greater value? Use the formula given in the *Financial Literacy Calculations* feature to compare these benefits. (Assume a 28% tax rate.) (LO 2.4)

a. A nontaxable pension contribution of \$4,300 or the use of a company car with a taxable value of \$6,325.

Chapter 2 – Financial Aspects of Career Planning

\$4,300 divided by 0.72 equals a tax-equivalent value of \$5,972.22 which would be less than the \$6,325 taxable item; the company car has a higher financial value to the employee.

b. A life insurance policy with a taxable value of \$450 or a nontaxable increase in health insurance coverage valued at \$340.

\$450 times 0.72 equals an after-tax value of \$324 compared to the nontaxable health insurance of \$340; the health insurance coverage has a higher financial value.

6. Bill Mason is considering two job offers. Job 1 pays a salary of \$36,500 with \$4,500 of nontaxable employee benefits. Job 2 pays a salary of \$34,700 and \$6,120 of nontaxable benefits. Which position would have the higher monetary value? Use a 28% tax rate. (LO 2.4)

$$\text{Job 1: } \$36,500 + (\$4,500/[1 - 0.28]) = \$42,750$$

$$\text{Job 2: } \$34,700 + (\$6,120/[1 - 0.28]) = \$43,200$$

7. Helen Ming receives a travel allowance of \$180 each week from her company for time away from home. If this allowance is taxable and she has a 24% income tax rate, what amount will she have to pay in taxes for this employee benefit? (LO 2.4)

$$\$180 \times 52 \text{ weeks} = \$9,360 \times 0.24 = \$2,246$$

8. Joshua Kelly estimates that taking some classes would result in earning \$4,200 more a year for the next 30 years. Based on an annual interest rate of 4%, calculate the future value of these classes. (LO 2.5)

$$\$4,200 \times 56.085 \text{ (future value of annuity)} = \$235,557$$

9. Marla Oppen currently earns \$50,000 a year and is offered a job in another city for \$56,000. The city she would move to has 8% higher living expenses than her current city. What quantitative analysis should Marla consider before taking the new position? (LO 2.5)

$\$50,000 \times 1.08 = \$54,000$ is the amount required in the new city for comparable living expenses; a salary of \$56,000 exceeds that amount.

Financial Planning Case

1. What steps might Alexia take when deciding which position to accept?

She should assess her personal values and goals in relation to the various factors for each position. In addition, Alexia might talk with people who work for these or similar organizations about the work employment and other factors.

2. What additional factors would you consider when selecting an employment position?

While answers will vary, students should provide specific responses related to current career interests and future potential career goals. Encourage students to provide specific actions that they might take to enhance their career planning activities.

3. Which employment position would you recommend for her? Why?

Answers will vary. Encourage student to provide a detailed explanation for their responses.

Continuing Case

Most responses will vary as they are a personal reflection of skills.

1. Technical skills are a very important selling point for potential employees in the workforce.

- A. Prepare a comprehensive list of technical skills that you possess.
- B. Conduct online research to determine the technical skills that are most sought after by companies today and compare them to your personal list.
- C. In which areas are you most competent?
- D. In which areas could you use training to increase your employability?

2. Thinking back on your previous work experiences:

- A. Prepare a list of traits that contribute to your level of social intelligence.
- B. Reflect on the traits that you might emphasize in an interview and develop a plan to increase your skills in areas that need improvement.

3. Kayla and Jamie discuss the importance of choosing a career that is balanced between being rewarding and also in demand by companies.

Chapter 2 – Financial Aspects of Career Planning

- A. Based on online research, identify the most sought-after career positions in the area of your degree pathway.
- B. Are those career opportunities located locally, in specific regions of the United States, or international?
- C. What are the salary ranges for the career pathway you have chosen?
- D. Based on your research, what are the predicted future trends for your career area?