

Allied Health Careers, Semester B

Credits: 0.5

Course Overview and Goals

Allied Health Careers, Semester B, is the second part of a two-semester course. The course gives you an understanding of different allied health professions and equips you with the essential knowledge and skills required in diverse fields such as biotech research, rehabilitation, assistive and geriatric care, pharmacology, medical administration, and veterinary care. You will learn about the common hazards present in laboratories and other health care facilities. You will learn about infection control, safety precautions, guidelines, and practices. You will also learn about the laws and ethical issues relevant to allied health workplaces. Toward the end of this course, you will focus on developing career skills, such as teamwork and leadership skills, research job opportunities, apply for jobs, and participate in mock interviews.

This course consists of 15 lessons organized into four units, four Unit Activities, and four Discussions. Additionally, there is one Course Activity and one Course Project that you need to work on during the course. Each lesson contains one or more Lesson Activities. You will grade your work in the Lesson Activities by comparing it to sample responses. You will submit the Unit Activities, Course Activity, and Course Project to your teacher for grading.

By the end of this course, you will be able to do the following:

- ❖ Analyze the knowledge and skills needed for careers in areas such as biotech, occupational therapy, and geriatric care.
- ❖ Examine policies and best practices related to infection control, handling hazardous materials, and other workplace safety issues.
- ❖ Analyze laws and ethics related to health care services in the United States.
- ❖ Construct a career plan and explain the essential skills for working in health care roles.
- ❖ Analyze employment and entrepreneurial opportunities in the health care industry.

UNIT 1: ALLIED HEALTH PROFESSIONS (DAYS 1 –23)

In this unit, you will learn about allied health careers in biotech research, rehabilitation, assistive and geriatric care, and pharmacology. You will learn the essential knowledge and skills required for each of these careers. You will also learn about lab hazards and lab safety, laboratory equipment and techniques, testing methods, inspection procedures, and biotech research regulatory bodies. Next, you will learn about rehabilitation, including the differences between physical therapy and occupational therapy, the nature and scope of each of these professions, and the techniques, skills, devices, and equipment needed for each one. Next, you will learn about the special needs of older and chronically ill people, the stages of dementia, and different treatments for geriatric conditions. Finally, you will learn about pharmacology, how drugs are classified, and the mechanism of action for each class of drugs. You will learn about the different routes of drug administration and the advantages and disadvantages of each, the names of branded and generic drugs, and how to identify and interpret the elements of a prescription and calculate basic medication dosages.

Lesson	Lesson Objective
Syllabus and Orientation	Review the Student Orientation and Course Syllabus at the beginning of this course.
Biotech Research	Review the essential knowledge and skills required for biotech research careers.
Rehabilitation	Identify the essential knowledge and skills required by physical therapists and occupational therapists.
Assistive and Geriatric Care	Recognize the essential knowledge and skills required by professionals in assistive and geriatric care.
Course Activity	Work Experience and Leadership Skills
Pharmacology	Identify the essential knowledge and skills required for careers in pharmacology.

UNIT 2: MORE ALLIED HEALTH PROFESSIONS (DAYS 24 – 41)

In this unit, you will learn about allied health professions related to medical administration, patient intake and ambulation, and veterinary care. The unit begins with instruction on the roles and responsibilities of medical administrators, filing systems, types of medical records and the regulations that govern them, and medical billing. Next, you will learn about the patient

intake process and the equipment and techniques for moving and handling patients safely. Then, you will learn the knowledge and skills needed for veterinary careers. You will learn to identify common domestic animal species and breeds and describe appropriate care for them. You will also learn about the basic concepts of animal nutrition and skills relating to handling, examining, and grooming animals.

Lesson	Lesson Objective
Medical Administration	Recognize the essential knowledge and skills required for careers in medical administration.
Patient Intake and Ambulation	Identify the patient intake process and techniques for moving and handling patients safely.
Veterinary Care	Review the essential knowledge and skills needed for veterinary careers.
Course Project	Goal Setting and Rewards

UNIT 3: SAFETY, LAW, AND ETHICS (DAYS 42 – 63)

In this unit, you will first learn about the causes of infection, infection prevention, and control practices and techniques. You will learn to identify common pathogens and learn about the chain of infection. Next, you will learn about common hazards in laboratories and health care facilities and safety precautions, guidelines, and practices. You will also learn about procedures for storing, handling, packing, and disposing of waste, including hazardous materials. Next, you will learn about general safety concerns in health care workplaces. You will learn about safety hazards common to many workplaces and precautions that can be taken to ensure safety. You will also learn how to assess an emergency or disaster situation and create an emergency plan. Additionally, you will learn about laws and ethics related to patients, health care workers, and health care services in the United States.

Lesson	Lesson Objective
Infection Control	Identify infection control practices and techniques in health care facilities and biotech labs.
Handling Hazardous Materials	Review how to handle hazardous materials.
Workplace Safety	Identify workplace safety issues, precautions, and procedures.

Lesson	Lesson Objective
Legal and Ethical Issues	Review laws and ethics related to health care services in the United States.

UNIT 4: CAREER SKILLS (DAYS 64 – 90)

In this unit, you will first learn the communication and basic care skills needed to handle patients and learn about Health Insurance Portability and Accountability Act (HIPAA) guidelines for all communications. You will then learn about important work habits, behaviors, personal qualities, and skills needed for the workplace and strategies to resolve problems and conflicts. You will also learn about stress management techniques and the importance of work-life balance. Next, you will learn teamwork and leadership skills. Finally, you will learn about career options and employment and entrepreneurial opportunities in allied health professions. You will learn about the academic requirements, training, skills, certifications, licensure, and registration necessary for allied health careers and learn to create a career plan.

Lesson	Lesson Objective
Patient Care Skills	Review the essential knowledge and skills required for handling patients in allied health services.
Workplace Skills	Identify essential workplace skills.
Teamwork and Leadership Skills	Discover teamwork and leadership skills.
Careers	Develop a career plan and describe employment and entrepreneurial opportunities in allied health professions.