

# Syllabus

## Health Science 2, Semester A

### Course Overview

This one-semester course is intended to help you understand the skills required to achieve success in modern-day careers related to health care. This course has 18 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities.

This course will cover diverse topics such as the healthcare system, diagnostic services, stress management, health informatics, medical math, and professional conduct.

You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit, respectively; and an end-of-semester test. All of these tests are a combination of simple multiple-choice questions and technology enhanced (TE) questions.

### Course Goals

This course will help you meet the following goals:

- Describe the healthcare system and analyze how multidisciplinary teams collaborate to provide quality health care.
- Discuss the career and advancement opportunities in therapeutic, diagnostic, health informatics, and support services, and in the field of biotechnology.
- Identify communication skills essential for healthcare professionals, such as leadership, critical thinking, decision making, problem solving, and conflict resolution.
- Discuss the various stress management techniques for healthcare workers and patients.
- Discuss the qualities that are required for professional conduct and the ways to maintain healthy personal and professional relationships.
- Describe dealing with cultural diversity with sensitivity to provide quality healthcare to diverse ethnic groups.
- Discuss technology and appropriate procedures for gathering, filing, and reporting information in the field of healthcare.
- Demonstrate how precise mathematical calculations are essential in health care.

## Prerequisite Skills

Health Science—2A has the following prerequisites:

- basic math knowledge
- ability to visualize and apply creativity and innovation
- familiarity with the writing process and following guidelines

## General Skills

To participate in this course, you should be able to do the following:

- Perform basic operations with word processing software, such as Microsoft Word or Google Docs.
- Perform online research using various search engines and library databases.
- Communicate through email and participate in discussion boards.

*For a complete list of general skills that are required for participation in online courses, refer to the Prerequisites section of the Plato Student Orientation document, found at the beginning of this course.*

## Credit Value

Health Science—2A is a 0.5-credit course.

## Course Materials

- Notebook
- Computer with Internet connection and speakers or headphones
- Microsoft Word or equivalent

## Course Pacing Guide

This course description and pacing guide is intended to help you stay on schedule with your work. Note that your course instructor may modify the schedule to meet the specific needs of your class.

### Unit 1: Career Pathways

#### Summary

In this unit, you will learn about the healthcare delivery systems and the role of multidisciplinary teams across the systems. You will also learn about the available career options and skills required to pursue these careers in the field of therapeutic, diagnostic, and support services. Additionally, in this unit, you will familiarize yourself with the scope of the career fields and the emerging trends and advancements in the fields related to health care.

Day	Activity/Objective	Type
1 day: 1	<b>Syllabus and Plato Student Orientation</b> <i>Review the Plato Student Orientation and Course Syllabus at the beginning of this course.</i>	Course Orientation
4 days: 2–5	<b>Healthcare Delivery Systems</b> <i>Analyze healthcare delivery systems and access to health care in the United States.</i>	Lesson
4 days: 4–9	<b>Healthcare Teams</b> <i>Describe how multidisciplinary teams collaborate to deliver quality health care.</i>	Lesson
5 days: 10–14	<b>Therapeutic Services</b> <i>Examine career and advancement opportunities in therapeutic services.</i>	Lesson
4 days: 15–18	<b>Diagnostic Services</b> <i>Examine career and advancement opportunities in diagnostic services.</i>	Lesson
4 days: 19–22	<b>Health Informatics</b> <i>Examine career and advancement opportunities in health informatics.</i>	Lesson

Day	Activity/Objective	Type
4 days: 23–26	<b>Support Services</b> <i>Examine career and advancement opportunities in support services.</i>	Lesson
3 days: 27–29	<b>Biotechnology Research and Development</b> <i>Examine career and advancement opportunities in biotechnology research and development.</i>	Lesson
1 day: 30	<b>Space Jumble</b>	Game
4 days: 31–34	<b>Unit Activity /Threaded Discussion—Unit 1</b>	Unit Activity
1 day: 35	<b>Posttest—Unit 1</b>	Assessment

## Unit 2: Employability Skills

### Summary

In this unit, you will learn how to develop communication and leadership skills. You will also understand how you can apply critical thinking and problem-solving techniques to resolve a conflict. Additionally, you will learn how to combat stressful situations at work.

Day	Activity/Objective	Type
3 days: 36–38	<b>Communication Skills</b> <i>Identify effective verbal and nonverbal communication skills that are crucial in health care.</i>	Lesson
3 days: 39–41	<b>Leadership Skills</b> <i>Discuss effective leadership skills essential in health care.</i>	Lesson
3 days: 42–44	<b>Decision Making and Critical Thinking</b> <i>Examine critical thinking and decision-making skills.</i>	Lesson
4 days: 45–48	<b>Problem Solving and Conflict Resolution</b> <i>Analyze problem-solving and conflict resolution skills essential for healthcare professionals.</i>	Lesson

Day	Activity/Objective	Type
4 days: 49–52	<b>Stress Management</b> <i>Examine stress management techniques for healthcare workers and patients.</i>	Lesson
1 day: 53	<b>Para Jumble</b>	Game
4 days: 54–57	<b>Unit Activity/ Threaded Discussion—Unit 2</b>	Unit Activity
1 day: 58	<b>Posttest—Unit 2</b>	Assessment

### Unit 3: Professional Skills

#### Summary

In this unit, you will learn how to conduct yourself professionally, and maintain healthy relationships with your colleagues and patients. You will understand how to handle colleagues and patients belonging to diverse ethnic groups. You will also familiarize yourself with the various technological tools to gather information, and use math to perform medical tasks.

Day	Activity/Objective	Type
3 days: 59–61	<b>Professional Conduct</b> <i>Examine qualities that are essential for professional conduct in health care.</i>	Lesson
3 days: 62–64	<b>Healthy Relationships</b> <i>Examine how to maintain healthy personal and professional relationships.</i>	Lesson
4 days: 65–68	<b>Diversity at Workplace</b> <i>Discuss dealing with cultural diversity with sensitivity to provide quality health care to all ethnic groups.</i>	Lesson
4 days: 69–72	<b>Technology and Health Care</b> <i>Examine how technology is used in health care.</i>	Lesson
5 days: 73–77	<b>Gathering, Filing, and Reporting Information</b> <i>Examine appropriate procedures for gathering, filing, and reporting information in healthcare facilities.</i>	Lesson

Day	Activity/Objective	Type
5 days: 78–82	<b>Medical Math</b> <i>Examine how precise mathematical calculations are essential in health care.</i>	Lesson
1 day: 83	<b>Thwack-A-Mole</b>	Game
4 days: 84–87	<b>Unit Activity/ Threaded Discussion—Unit 3</b>	Unit Activity
1 day: 88	<b>Posttest—Unit 3</b>	Assessment
1 day: 89	<b>Semester Review</b>	
1 day: 90	<b>End-of-Semester Test</b>	Assessment