

Syllabus

Health Science—2B

Course Overview

This one-semester course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers. This course has 16 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities.

This course will cover various topics in health science, such as infection control, medical and surgical equipment, disease prevention, and rehabilitative care.

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:

- Discuss the scope of practice appropriate for patient care in the different healthcare pathways.
- Examine standards, ethics, and laws, and patients' rights regarding their health care in the United States.
- Analyze elements of, and guidelines for, infection control and hygiene in health care.
- Analyze the need for safe, sterilized medical and surgical equipment in healthcare organizations.
- Analyze safe waste management techniques and measures to ensure environmental safety in health care.
- Examine disease prevention strategies, healthy behaviors, and wellness strategies for healthcare professionals and patients.
- Examine the principles of body mechanics and ergonomics to avoid injury.
- Examine how to handle emergency situations in health care.
- Examine the role of rehabilitative care in health care.
- Examine the techniques involved in, and benefits of, movement and massage therapies.
- Examine the history and the techniques in, and benefits of, Indian and Chinese medicine.
- Discuss the remedies rooted in different cultures and traditions.

Prerequisite Skills

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

Course Materials

- Notebook
- Computer with Internet connection and speakers or headphones
- Microsoft Word or equivalent
- Microsoft Excel or equivalent
- Microsoft PowerPoint 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 teacher may modify the schedule to meet the specific needs of your class.

Course Components and Grading Rubric

The table gives a breakdown of the weight for each component in the course. Weight represents the percentage of the total score coming from each activity.

Course Components	Count	Weight
Pretest. <i>Pretests are optional assessments, typically designed for credit recovery use. If a student shows mastery of a lesson's objective, the student may be automatically exempted from that lesson in the upcoming unit. Typically, teachers do not choose to employ exemptive pretests for first-time credit courses. Pretests are not included as a component of the student's final grade.</i>	4	0%
Module. <i>Each module in this course contains an interactive tutorial and an associated mastery test. Tutorials may include one or more Lesson Activities that constitute tasks associated with the tutorial. The module score comes from a student's score on the mastery test.</i>	16	30%
Discussion. <i>Online discussions allow for higher-order thinking about terminal objectives. An online threaded discussion mirrors the educational experience of a classroom discussion. Teachers can initiate a discussion by asking a complex, open-ended question. Students can engage in the discussion by responding both to the question and to the thoughts of others. Each unit in a course has one predefined discussion topic; teachers may add more discussion topics.</i>	4	10%
Unit Activity. <i>Unit Activities are at the end a unit and constitute one or more small tasks. Their purpose is to deepen understanding of key unit concepts and tie them together. Each Unit Activity includes a simple rubric. The teacher versions include both a rubric and modeled sample answers. Unit Activities are teacher graded.</i>	4	20%
Posttest. <i>The posttest appears at the end of the unit and mirrors the pretest in structure, content, and complexity.</i>	4	20%
End of Semester Test. <i>The end of semester test (EOS) appears at the end of the course. Students are delivered a few items from every tutorial in the course in order to assess the major course objectives.</i>	1	20%
Total	33	100%

*Teachers may manually adjust these weights if desired, per district grading requirements.

Unit 1: Professional Standards and Ethics

Summary

In this unit, you will learn about the standards, ethics, and laws related to health care in the United States. You will also learn the scope of practice appropriate for patient care in the different healthcare pathways. Additionally, in this unit, you will familiarize yourself with patients' rights regarding their health care, including the right to privacy.

Day	Activity/Objective	Type
1 day: 1	Syllabus and Plato Student Orientation <i>Review the Plato Student Orientation and Course Syllabus at the beginning of this course.</i>	Course Orientation
4 days: 2–5	Standards, Ethics, and Laws Related to Health Care <i>Examine standards, ethics, and laws related to health care in the United States.</i>	Lesson
4 days: 6–9	Scope of Practice <i>Discuss the scope of practice appropriate for patient care in the different healthcare pathways.</i>	Lesson
4 days: 10–13	Patients' Rights and Choices <i>Examine patients' rights regarding their health care, including the right to privacy.</i>	Lesson
1 day: 14	Space Jumble	Game
4 days: 15–18	Unit Activity/Threaded Discussion—Unit 1	Unit Activity
1 day: 19	Posttest—Unit 1	Assessment

Unit 2: Disease Prevention

Summary

In this unit, you will learn about the elements of, and guidelines for, infection control and hygiene in health care. You will also familiarize yourself with the need for safe, sterilized medical and surgical equipment in healthcare organizations. You will learn about the safe waste management techniques in health care. Additionally, you will learn how disease prevention helps with healthcare cost containment.

Day	Activity/Objective	Type
4 days: 20–23	Infection Control <i>Analyze elements of, and guidelines for, infection control and hygiene in health care.</i>	Lesson
4 days: 24–27	Medical and Surgical Equipment <i>Analyze the need for safe, sterilized medical and surgical equipment in healthcare organizations.</i>	Lesson
4 days: 28–31	Waste Management <i>Analyze safe waste management techniques in health care.</i>	Lesson
3 days: 32–34	Disease Prevention and Cost Containment <i>Examine how disease prevention helps with healthcare cost containment.</i>	Lesson
1 day: 35	Para Jumble	Game
4 days: 36–39	Unit Activity/Threaded Discussion—Unit 2	Unit Activity
1 day: 40	Posttest—Unit 2	Assessment

Unit 3: Safety and Wellness

Summary

In this unit, you will familiarize yourself with the healthy behaviors and wellness strategies for healthcare professionals and patients. You will also learn principles of body mechanics and ergonomics to avoid injury. In addition, you will also analyze measures to ensure environmental safety in healthcare facilities. In this unit, you will also examine how to handle emergency situations in health care.

Day	Activity/Objective	Type
4 days: 41–44	Personal and Patient Wellness <i>Examine healthy behaviors and wellness strategies for healthcare professionals and patients.</i>	Lesson
4 days: 45–48	Physical Safety/Body Mechanics and Ergonomics <i>Examine the principles of body mechanics and ergonomics to avoid injury.</i>	Lesson
4 days: 49–52	Environmental Safety <i>Analyze measures to ensure environmental safety in healthcare facilities.</i>	Lesson
4 days: 53–56	Emergency Preparedness and Planning <i>Examine how to handle emergency situations in health care.</i>	Lesson
1 day: 57	Thwack-A-Mole	Game
4 days: 58–61	Unit Activity/Threaded Discussion—Unit 3	Unit Activity
1 day: 62	Posttest—Unit 3	Assessment

Unit 4: Complementary and Alternative Health Care

Summary

In this unit, you will familiarize yourself with the techniques involved in, and benefits of, movement and massage therapies. You will learn about the history, techniques, and benefits of Indian and Chinese medicine. Finally, you will learn about the remedies rooted in different cultures and traditions.

Day	Activity/Objective	Type
4 days: 63–66	Rehabilitative Care <i>Examine the role of rehabilitative care in health care.</i>	Lesson
4 days: 67–70	Movement and Massage Therapies <i>Examine the techniques involved in, and benefits of, movement and massage therapies.</i>	Lesson
4 days: 71–74	Chinese Medicine <i>Examine the history and development of Chinese medicine.</i>	Lesson
4 days: 75–78	Indian Medicine <i>Examine the history and the techniques in, and benefits of, Indian medicine.</i>	Lesson
4 days: 79–82	Cultural and Traditional Remedies <i>Discuss the remedies rooted in different cultures and traditions.</i>	Lesson
1 day: 83	Space Jumble	Game
4 days: 84–87	Unit Activity/Threaded Discussion—Unit 4	Unit Activity
1 day: 88	Posttest—Unit 4	Assessment
1 day: 89	Semester Review	
1 day: 90	End-of-Semester Test	Assessment

Course Map

You will achieve course level objectives by completing each lesson's instruction, assignments, and assessments. For a detailed look at how the materials meet these objectives, review the [course map for Semester B](#).