

01_Introduction to Clinical Care Unit I Copied from: Science, Technology and Society, Copied on: 06/22/22

Content Area: **Science**
Course(s):
Time Period: **Full Year**
Length: **2-3 weeks**
Status: **Published**

General Overview, Course Description or Course Philosophy

This course assesses the student's ability to recognize and understand the entire health research process. Students are expected to know how to conceptualize a research project and see it through to completion, including identifying a focused research question, choosing appropriate study designs, collecting data that will answer the question, basic understanding of data analysis, disseminating findings, and following research ethical principles and considerations.

OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS

The Health Research Process

- There is a history of clinical trials from an ethical perspective
- There are different types of health research (clinical, basic science, population health etc.)
- There are five steps for the entire health research process

CONTENT AREA STANDARDS

VHEL.9-12.9.4.12.H.6	Demonstrate use of the concepts, strategies, and systems for obtaining and conveying ideas and information to enhance communication.
VHEL.9-12.9.4.12.H.7	Locate, organize, and reference written information from various sources to communicate with others.
VHEL.9-12.9.4.12.H.10	Develop and deliver formal and informal presentations using appropriate media to engage and inform audiences.

RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion)

Standards are Required)

WRK.9.1.2.CAP.1

Make a list of different types of jobs and describe the skills associated with each job.

STUDENT LEARNING TARGETS

Declarative Knowledge

Students will understand that:

- the history of clinical trials from an ethical perspective
- different types of health research (clinical, basic science, population health etc.)
- the five steps for the entire health research process

Procedural Knowledge

Students will be able to:

- Discuss the history of clinical trials from an ethical perspective
- Distinguish different types of health research (clinical, basic science, population health etc.)
- Understand the five steps for the entire health research process
- Recognize the following key content: Clinical Research, health research, basic medical research, population health research, public health, research process

EVIDENCE OF LEARNING

Formative Assessments

Required Activities:

- 1) Checkpoint questions
- 2) Comprehension of key terms
- 3) Completion of Study Guide
- 4) Chapter Quiz-test Questions

Summative Assessments

- - Benchmarks – departmental benchmark given at the end of MP1, MP2, or MP3 & MP4 b(Semester Based Course)
 - Alternative Assessments
 - Lab inquiries and investigations
 - Lab Practicals
 - Exploratory activities based on phenomenon
 - Gallery walks of student work
 - Creative Extension Projects
 - Build a model of a proposed solution
 - Let students design their own flashcards to test each other
 - Keynote presentations made by students on a topic
 - Portfolio

RESOURCES (Instructional, Supplemental, Intervention Materials)

- Nearpod.com
- Edpuzzle.com
- Group and partner activities are assigned when possible

- Students will be grouped based on learning styles and approach to processing content
- <https://www.usa.edu/blog/diversity-in-healthcare/>

INTERDISCIPLINARY CONNECTIONS

Information writing

Ethics

Historical research

ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS

See link to Accommodations & Modifications document in course folder.