uCertify

Course Outline

HESI A2 Review Second Edition

20 May 2024

1. Pre-Assessment
2. Exercises, Quizzes, Flashcards & Glossary

   Number of Questions
3. Expert Instructor-Led Training
4. ADA Compliant & JAWS Compatible Platform
5. State of the Art Educator Tools
6. Award Winning Learning Platform (LMS)
7. Chapter & Lessons

   Syllabus

   Chapter 1: Overview

   Chapter 2: Reading

   Chapter 3: Vocabulary and General Knowledge

   Chapter 4: Grammar

   Chapter 5: Basic Math Skills

   Chapter 6: Biology

   Chapter 7: Chemistry

   Chapter 8: Anatomy and Physiology

   Chapter 9: Physics

   Videos and How To
8. Practice Test

   Here's what you get

   Features

1. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

2. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

3. Quiz

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.

4. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

5. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

6. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

7. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
    1. Best Postsecondary Learning Solution

- **2015**
    1. Best Education Solution

2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**
    1. Best Virtual Learning Solution
    2. Best Education Cloud-based Solution
    3. Best College and Career Readiness Solution
    4. Best Corporate / Workforce Learning Solution
    5. Best Postsecondary Learning Content Solution
    6. Best Postsecondary LMS or Learning Platform
    7. Best Learning Relationship Management Solution

- **2017**
    1. Best Overall Education Solution
    2. Best Student Assessment Solution
    3. Best Corporate/Workforce Learning Solution
    4. Best Higher Education LMS or Learning Platform

- **2018**
    1. Best Higher Education LMS or Learning Platform
    2. Best Instructional Solution in Other Curriculum Areas
    3. Best Learning Relationship Management Solution

- **2019**
    1. Best Virtual Learning Solution
    2. Best Content Authoring Development or Curation Solution
    3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

8. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Overview

- ABOUT HESI A2
- SCORING THE TEST
- PARTS OF THE TEST
- STRATEGIES FOR TOP SCORES
- A2 TRAINING SCHEDULE

Chapter 2: Reading

- MAIN IDEA

- SUPPORTING DETAILS
- WORDS IN CONTEXT
- AUTHOR’S PURPOSE
- FACT AND OPINION
- DRAWING CONCLUSIONS AND MAKING INFERENCES
- SUMMARIZING
- AUTHOR’S TONE

Chapter 3: Vocabulary and General Knowledge

- GENERAL KNOWLEDGE
- HEALTH CARE CONTEXTS
- USEFUL ROOTS AND AFFIXES

Chapter 4: Grammar

- SUBJECT-VERB AGREEMENT
- PRONOUNS
- MISPLACED MODIFIERS
- SENTENCES

- COMMAS
- SEMICOLONS AND COLONS
- APOSTROPHES
- TROUBLESOME WORD PAIRS
- SPELLING RULES

Chapter 5: Basic Math Skills

- COMPUTATION WITH WHOLE NUMBERS
- COMPUTATION WITH DECIMALS
- COMPUTATION WITH FRACTIONS
- SOLVING PROBLEMS USING ALGEBRA
- FRACTIONS, DECIMALS, AND PERCENTAGES
- RATIOS AND PROPORTIONS
- MONEY AND TIME
- ROMAN NUMERALS
- MEASUREMENT CONVERSION

Chapter 6: Biology

- SCIENTIFIC METHOD

- TAXONOMY
- MOLECULES
- CELLS
- CELLULAR RESPIRATION
- PHOTOSYNTHESIS
- CELLULAR REPRODUCTION
- GENETICS

Chapter 7: Chemistry

- STATES OF MATTER
- ATOMIC STRUCTURE
- ELECTRON CONFIGURATIONS
- CHEMICAL EQUATIONS
- CHEMICAL REACTIONS
- CHEMICAL BONDS
- REACTION RATES
- MOLARITY
- ACIDS AND BASES

- REDOX REACTIONS
- RADIOACTIVITY

Chapter 8: Anatomy and Physiology

- CELLS AND TISSUES
- BODY PLANES AND DIRECTIONS
- INTEGUMENTARY SYSTEM
- SKELETAL SYSTEM
- MUSCULAR SYSTEM
- NERVOUS SYSTEM
- ENDOCRINE SYSTEM
- CIRCULATORY SYSTEM
- LYMPHATIC SYSTEM
- RESPIRATORY SYSTEM
- DIGESTIVE SYSTEM
- URINARY SYSTEM
- REPRODUCTIVE SYSTEM

Chapter 9: Physics

- SPEED, VELOCITY, AND ACCELERATION
- MOMENTUM
- NEWTON’S LAWS
- LINEAR AND ROTATIONAL MOTION
- KINETIC AND POTENTIAL ENERGY
- FORCE OF ATTRACTION
- DENSITY AND BUOYANCY
- WAVE CLASSIFICATION AND THEORY
- OPTICS
- STATIC ELECTRICITY
- ELECTRIC FIELDS AND CHARGES
- CURRENTS, VOLTAGE, AND RESISTANCE

9. Practice Test

Here's what you get

3

FULL LENGTH TESTS

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

GET IN TOUCH:

3187 Independence Drive
Livermore, CA 94551,
United States

+1-415-763-6300

support@ucertify.com

www.ucertify.com