uCertify

Course Outline

CCRN REVIEW

05 Oct 2024

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

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

   Syllabus

   Chapter 1: Introduction to the CCRN Exam

   Chapter 2: Critical Care Overview

   Chapter 3: Cardiovascular

   Chapter 4: Respiratory

   Chapter 5: Endocrine

   Chapter 6: Gastrointestinal

   Chapter 7: Renal

   Chapter 8: Integumentary

   Chapter 9: Hematology/Immunology

   Chapter 10: Musculoskeletal

   Chapter 11: Neurology

   Chapter 12: Behavioral/Psychosocial

   Chapter 13: Multisystem

   Chapter 14: Professional Caring and Ethical Practice

   Videos and How To
9. Practice Test

   Here's what you get

   Features

1. Course Objective

The CCRN Review course is designed to provide critical care nurses with the knowledge and skills needed to excel in their careers and achieve certification as CCRNs. The CCRN Review course covers a wide range of topics relevant to critical care nursing, including: Cardiovascular System, Pulmonary System, Neurological System, Gastrointestinal System, Renal System, Endocrine System, Hematological System and Multisystem.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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

9. 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: Introduction to the CCRN Exam

- Included in the Course
- Exam Structure

Chapter 2: Critical Care Overview

- Catheter Line Access
- Hemodynamic Monitoring
- Advanced ECG Interpretation
- Noninvasive Ventilation (NIV)
- Mechanical Intubation
- Sedation and Neuromuscular Blockade

Chapter 3: Cardiovascular

- Acute Coronary Syndromes (ACS)
- Cardiac Procedures/Surgeries
- Valvular Heart Disease
- Acute Peripheral Vascular Insufficiency (PVI)
- Carotid Artery Stenosis

- Cardiomyopathies
- Heart Failure
- Cardiogenic Shock
- Hypertensive Crisis
- Acute Pulmonary Edema
- Aneurysms and Dissection
- Structural Heart Defects
- Cardiac Pharmacology

Chapter 4: Respiratory

- Oxygen and Oxygenation Concepts
- ABG Interpretation
- Acute Pulmonary Embolism (PE)
- Acute Respiratory Distress Syndrome (ARDS)
- Acute Lung Injury (ALI)
- Acute Respiratory Failure (ARF)
- Pneumonia
- Air Leak Syndromes (ALS)

- Aspiration
- Chronic Obstructive Pulmonary Disease (COPD)
- Asthma
- Pulmonary Fibrosis
- Pulmonary Hypertension
- Thoracic Surgery
- Thoracic Trauma
- Pulmonary Pharmacology

Chapter 5: Endocrine

- Acute Hypoglycemia
- Diabetic Ketoacidosis (DKA) and Hyperglycemic Hyperosmolar Nonketotic Syndrome (HHNK)
- Diabetes Insipidus (DI) and Syndrome of Inappropriate Secretion of Antidiuretic Hormone (SIADH)
- Adrenal Insufficiency and Crisis
- Hyperthyroidism vs. Hypothyroidism

Chapter 6: Gastrointestinal

- Abdominal Physical Assessment Review

- Abdominal Compartment Syndrome (ACS)
- Acute Gastrointestinal Hemorrhage
- Bowel Infarction
- Bowel Obstruction
- Bowel Perforation
- Hepatic Failure
- Acute Pancreatitis (AP)
- Malnutrition and Malabsorption
- GI Surgeries

Chapter 7: Renal

- Renal Assessment Review
- Acute Kidney Injury (AKI)/Acute Renal Failure (ARF)
- Chronic Kidney Disease (CKD)
- Acute Genitourinary Trauma
- Acute Incontinence
- Renal Infections
- Life-Threatening Electrolyte Imbalances

- Renal Procedures

Chapter 8: Integumentary

- Cellulitis
- Necrotizing Fasciitis (NF)
- IV Infiltration
- Pressure Ulcers/Injuries
- Wounds

Chapter 9: Hematology/Immunology

- Coagulopathies
- Anemia
- Blood Products and Transfusions
- Transfusion Reactions
- Immune Deficiencies
- Oncologic Complications

Chapter 10: Musculoskeletal

- Compartment Syndrome

- Rhabdomyolysis
- Fractures
- Infections
- Functional Issues

Chapter 11: Neurology

- Neurology Assessment
- Acute Spinal Cord Injury (SCI)
- Encephalopathy
- Dementia
- Traumatic Brain Injury (TBI)
- Intracranial Hemorrhage
- ICP Monitoring and Treatment
- Brain Herniation
- Brain Death
- Stroke
- Neurological Infectious Disease
- Neuromuscular Disorders

- Seizure Disorders
- Space-Occupying Lesions

Chapter 12: Behavioral/Psychosocial

- Abuse/Neglect
- Agitation/Aggression/Violence
- Anxiety
- Mood Disorders
- Post-Traumatic Stress Disorder (PTSD)
- Substance Dependence or Abuse

Chapter 13: Multisystem

- Multisystem Trauma
- Hypotension/Shock
- Sepsis Continuum
- Multi-Organ Dysfunction Syndrome (MODS)
- End-of-Life
- Healthcare-Associated Infections (HAIs)

- Pain Management
- Thermoregulation
- Targeted Temperature Management
- Bariatric Complications
- Comorbidity with Transplant History
- Life-Threatening Maternal/Fetal Complications
- Sleep Disruption
- Toxic Ingestions/Inhalations
- Acid–Base Imbalances

Chapter 14: Professional Caring and Ethical Practice

- Nurse Competencies

10. Practice Test

Here's what you get

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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.

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