

## Course Description

This two-day seminar is designed to prepare the cardiac medical and cardiac surgical nurse to take the AACN certification exam for cardiac medicine and/or surgery. The course focuses on adult cardiac abnormalities with a concentration on nursing assessment and medical/surgical interventions. Coronary artery disease, acute coronary syndrome, heart failure and endocarditis will be the major topics of discussion, with related medical and surgical interventions. The review will also include a brief review of pulmonary, hematology, neurology and gastrointestinal and renal systems as they pertain to the cardiac patient.

## Program Learning Outcomes

*This program prepares the learner to:*

- Self-report an increase in knowledge regarding care of the cardiac medicine and surgical patient at a 90% rate.

## Agenda

*Sign-in begins at 7:30 am.* Each day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

### Day 1, 8:00 am to 4:30 pm

#### Introduction to the Exam

Requirements | How to Apply | Test Specifics | Test-Taking Strategies

#### Blueprint for the Exam

Domains of Practice | Synergy Model

#### Anatomy Review

Heart and Great Vessels | Coronary Artery Anatomy and Physiology | Sympathetic and Parasympathetic System | Electrical and Mechanical Function

#### Critical Components

Cardiac and Vascular Assessment | Hemodynamics | ECG

#### Lunch 12:00 pm to 1:00 pm

#### Coronary Artery Disease

Assessment | Diagnosis | Treatment Modalities

#### Heart Failure

#### Cardiac Pathophysiology

Heart Failure | Incidence and Statistics | Diagnosis | Treatment Modalities | Valvular Disease | Mitral Stenosis/Insufficiency | Aortic Stenosis/Insufficiency

# Agenda

## Day 2, 8:00 am to 3:30 pm

### **Nursing and Medical Treatments of Cardiac Disease in Adults**

Medical-Surgical Interventions for Coronary Artery Disease, Valvular Disease and Heart Failure

### **Plans of Care**

Preoperative Period | Techniques of Surgery | Effects of Bypass and Hypothermia

### **Postoperative and Procedural Care Goals**

Immediate Interventions | Complications | Low-Cardiac Output Syndrome

### **Lunch 12:00 pm to 1:00 pm**

### **Postoperative and Procedural Care Goals (cont'd)**

Medications and Treatment Plans | Coordination of Three Processes to Improve Cardiac Output

### **Related Complications**

Pulmonary | Neurological | Renal | GI

### **Sections of Core Content**

## Accreditation

### **RN/LPN/LVN/Other: 13 Contact Hours**

### ***Includes 6 Pharmacology Contact Hours***

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask

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