



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

**LAST REVIEW:** 2005-2006      **NEXT REVIEW:** 2010-2011      **STATUS:** A

**COURSE TITLE:** Cardiac Nursing: Basic Arrhythmia Clinical Lab

**COMMON COURSE NUMBER:** NUR 2297(L)

**CREDIT HOURS:** 1

**CONTACT HOUR BREAKDOWN**

*(per 16 week term)*

**CLOCK HOURS:**

*(Voc. Course ONLY)*

Lecture: -      Lab: -

Clinic: 80      Other: -

**PREREQUISITE(S):** Florida RN License, BLS Course

**COREQUISITE(S):** NUR 2297

**PRE/COREQUISITE(S):**

**COURSE DESCRIPTION:** The clinical course will be provided in a local hospital where the new telemetry nurse will perform the role of monitor technician, to reinforce the didactic concepts learned in the Basic Arrhythmia Course. The RN will incorporate nursing interventions related to telemetry patients from the admission process, trouble shooting ECG transmission, to medication administration. Course activities focus on telemetry/progressive care nursing of the adult patient requiring cardiac monitoring. Pre-Requisite: Florida RN License; Basic Life Support Course (Healthcare Provider Level). *(750 characters, maximum)*

## UNIT TITLES

1. Monitor Lead Application and Selection
2. Equipment Maintenance and Troubleshooting
3. Patient Assessment, Skin Preparation, Cardiac Monitoring and Emergency Interventions
4. Perform Emergency Equipment Daily Checks



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**Common Course Number: NUR2297L**

## **UNITS**

### **Unit 1: Monitor Lead Application and Selection**

#### **General Outcome:**

- 1.0 The student shall be able to select monitoring lead sites and place leads according to the system chosen.**

#### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 1.1 Set-up telemetry monitoring system for a 3 lead and 5 lead system**
- 1.2 Attach lead wires to correct connections**
- 1.3 Attach electrodes to lead wires**
- 1.4 Check electrode for moist conductive gel**
- 1.5 Choose appropriate lead site, identifying intercostals spaces and sternal notch**



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**Unit 2: Equipment Maintenance and Troubleshooting**

**General Outcome:**

- 2.0 The student should be able to discuss the proper care and maintenance of the telemetry monitoring system as well as identify potential problems with the ECG rhythm strip that requires troubleshooting and intervention.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 2.1 State the hospital policy for cleaning of the equipment after each patient's use**
- 2.2 Verbalize how to identify when the telemetry battery requires replacement**
- 2.3 Knows how to set upper and lower alarm limits from the central station**
- 2.4 Knows how to assess 24 hour monitoring information as outlined in the nursing unit's policy**
- 2.5 Identify clear ECG monitoring strips as the desired outcome**
- 2.6 Identify unexpected ECG monitoring strip problems (60-cycle interference, erratic baseline, interference) and appropriately intervene**



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## **Unit 3: Patient Assessment, Skin Preparation, Cardiac Monitoring and Emergency Interventions**

### **General Outcome:**

- 3.0 The student should be able to perform a cardiac physical assessment as well as perform proper skin preparation prior to application of the monitoring electrodes. Measurement and analysis of ECG rhythm strips shall be done with accuracy. The students will become familiar with the emergency equipment and medications needed for patient's developing life-threatening arrhythmias.**

### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 3.1 Perform cardiac physical assessment**
- 3.2 Demonstrate proper skin preparation prior to electrode placement**
- 3.3 Identify the best monitoring lead based on the patient's 12 Lead ECG**
- 3.4 Analyze the ECG rhythm strip intervals and accurately interprets the rhythm**
- 3.5 State ECG rhythm that are life threatening and discuss the appropriate interventions**
- 3.6 Conduct the daily emergency equipment checklist, including the monitor/defibrillator and portable oxygen tank**



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## **Unit 4: Perform Emergency Equipment Daily Checks**

### **General Outcome:**

**4.0 The student shall be able to perform emergency equipment daily checks**

### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

**4.1 Perform emergency equipment daily checks**



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