

# **Northwest Arkansas Community College**

Health Professions Division

Respiratory Therapy Program

## **Discipline Code**

RESP

## **Course Number**

2501

## **Course Title**

Dysrhythmia for Respiratory Therapists

## **Catalog Description**

(SUM) This is an introductory course designed for respiratory therapists. It covers the recognition and interpretation of cardiac dysrhythmias. The course also covers basic cardiac anatomy, normal cardiac cell functions and properties, electrical activity of the heart and ECG wave forms followed with a discussion of the mechanisms of cardiac dysrhythmias by their site of origin, e.g., atria, junctional, etc. Recognition and interpretation are facilitated by the use of actual ECG strips in class and as part of homework assignments. The recognition of rhythm changes during respiratory therapy procedures is stressed.

## **Prerequisites**

Admission by acceptance into the Respiratory Therapy Program only.

## **Credit Hours**

1

## **Contact Hours**

15

## **Load Hours**

1

## **Semesters Offered**

Summer

## **ACTS Equivalent**

None

## **Grade Mode**

A-F

## **Learning Outcomes**

- Compare the anatomy and physiology of the heart, including blood flows and electrical impulse flows to the ECG tracing
- Interpret the ECG using a systematic process.
- Evaluate ECG findings to determine: normal sinus rhythm and abnormal sinus, atrial, ventricular, AV junctional and heart block arrhythmias.
- Troubleshoot ECG waveforms to find electrical interference, baseline wander, or muscle tremors
- Perform a 12 lead ECG.

## **General Education Outcomes Supported**

- Students develop higher order thinking skills.
- Students demonstrate information literacy.

Last Revision Date: Spring 2022