

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: WFHC 105
Course Title: WFED EKG Technician
Recommended Transcript Title: WFED EKG Technician
Date Approved/Revised: 8/5/11; 12/8/16; 10/5/17
Credit Hours: 3 Total Contact hours: Lecture: 35 Lab: 10
Prerequisite: None Corequisite: None Pre/Corequisite: None
Grading Mode: Credit/No Credit
Catalog Description: This comprehensive 45-hour lecture and lab EKG Technician Course prepares students to function as EKG Technicians and to take the NHA (National Healthcareer Association) – Electrocardiograph (EKG) Technician exam. This course will include important practice and background information on anatomy of the heart and physiology, medical disease processes, medical terminology, medical ethics, legal aspects of patient contact, the Holter monitor, electrocardiography and echocardiography.
Course Outcomes: <ol style="list-style-type: none"> 1. Define the role of the EKG Technician 2. Define the function of the EKG Department in a variety of settings (hospital, clinic, office, mobile service) 3. Define medical terminology as it relates to the EKG Department 4. Recall medical terminology related to electrocardiography 5. Perform appropriate care & safety of patients related to medical & legal aspects of electrocardiography 6. Illustrate the anatomy of the heart, conduct ion system, circulation of the heart and blood vessels 7. Illustrate the electrical conduction system of the heart 8. Define the cardiac cycle (electric system) 9. Draw conclusions using EKG strip analysis (P,Q,R,S,T wave form interpretation) 10. Define and illustrate normal sinus rhythm, sinus bradycardia, sinus tachycardia 11. Perform basic EKG interpretation 12. Identify sinus rhythm, and ventricular rhythms, asystole on an EKG strip 13. Recognize artifacts; troubleshooting, tracing problems on EKG equipment 14. Draw conclusions about EKG strips 15. Illustrate EKG rhythms
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) General Education Core (Specify category) Technical Core (Specify Program)

Restricted Elective (Specify Program) General Elective <input checked="" type="checkbox"/> Other: WF Ed Medical Assistant
Course Fee: Yes
Instructor's Qualifications: Bachelor's of Science in Health Related Field or related discipline AND/OR expertise and experience in field.
Expanded Course Description: EKG Technicians are responsible for performing electrocardiogram tests in order to monitor and record electrical impulses transmitted by the heart. These tests include basic EKGs, Holter Monitoring (portable EKG which records activity for 24-48 hrs.), 12 lead placement and Stress Tests (treadmill). They assist a physician in diagnosing and treating cardiac and blood vessel irregularities. Competencies measured by written test assessments and illustrating proper techniques through laboratory procedures.

Prepared by:

Melissa Shockey, Program Coordinator

10/5/17

Signature

Title

Date

Approved by:

Dean of Teaching and Learning

Date