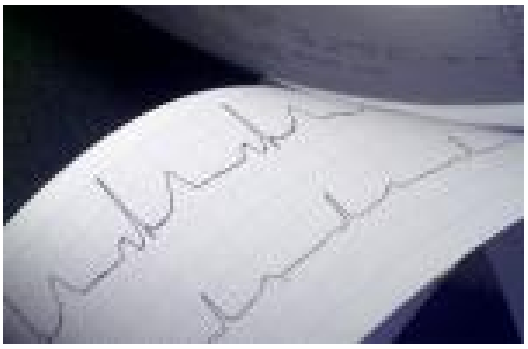

EKG – 12 Lead
HSC 1774

September 19, 2009

Program Overview:
This course is designed for students who wish to further their interest in electrocardiography by learning the basics of 12 lead EKG analysis. The course provides students with general anatomy of the Coronary arteries. Students will study the correlation of 12 lead EKG related to Coronary anatomy and pathophysiology. Clinical lab opportunities will provide students time and experience to practice their analysis.

Pre-requisites:
Successful completion of Basic EKG course and Current BLS certification.

Course Cost:
$75 (Textbook and supplies are available at the York Technical College Bookstore)

Visit our web pages
www.yorktech.com/alliedhealth
www.yorktech.com/cj

If you have any questions please contact:
Continuing Education/ Health and Human Services
C building, Room 103

Linda Bolick Program Manager (803) 981-7194 bolick@yorktech.com	Robert Hamilton Program Coordinator (803) 981-7348 rhamilton@yorktech.com

To ensure participation, students should register five business days prior to the start of class. Refunds will not be given to persons cancelling less than two business days prior to the start of class. If we are forced to cancel a class due to low enrollment, full refunds will be made.

The 12-Lead EKG
HSC 1774

The 12-Lead EKG is frequently ordered as part of the cardiovascular assessment of a patient. The purpose of this one-day course is to assist the registered nurse and other healthcare providers in understanding and interpreting the 12-Lead EKG and the changes often seen on it. The class participant will be able to:

1. Identify the features of a normal 12-Lead EKG
2. Determine the mean QRS axis in a 12-Lead EKG
3. State the causes of right and left axis deviation
4. Describe the changes in the EKG associated with myocardial ischemia, injury and infarct and identify which area of the heart is involved
5. Describe changes associated with pericarditis and ventricular aneurysm.
6. Identify changes seen with atrial and ventricular hypertrophy
7. Identify features of the EKG seen with Bundle Branch Blocks and Fascicular Blacks
8. Describe changes in the EKG seen with electrolyte abnormalities

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8:00-9:15
Normal 12 lead EKG in the Adult, Axis Calculation

9:15-10:00
EKG Changes with Myocardial Injury, Ischemia and Infarction, Ventricular Aneurysm, Pericarditis

10:00-10:15
Break

10:15-11:30
Changes with Ischemia, Injury, Infarction and Dysrhythmias associated with Myocardial Infarction

11:30-12:30
Lunch (On Your Own)

12:30-1:05
EKG Changes with Cardiac Enlargement

1:05-2:00
Conduction Defects

2:00-2:15
Break

2:15-3:00
Drug and Electrolyte Influence on the EKG Practice

3:00-3:50
Putting It All Together

3:50-4:00
Evaluation