

Bossier Parish Community College  
Master Syllabus

**Course Prefix and Number:** HEKG 1400

**Credit Hours:** 3

**Course Title:** EKG Techniques

**Course Prerequisites/Corequisites:** Successful completion of HCOR 1200

**Textbook:** ECG: Essentials of Electrocardiography. Soto, C. (2017). Cengage Learning.  
ISBN: 9781285180984

**Course Description:**

This course introduces the student to the electrocardiogram (EKG) purposes and procedures. Students will gain knowledge regarding the normal structure and function of the heart with emphasis on the conduction system. A supervised lab portion (45 hours) is an integral portion of this course and will allow student performance of EKG procedures.

**Learning Outcomes:**

On completion of this course, the student will:

- A. apply knowledge of cardiovascular anatomy and physiology to understand the procedures of noninvasive cardiac monitoring.
- B. apply concepts of pathophysiology to the clinical implications of arrhythmias; and
- C. demonstrate and apply the skills and knowledge of monitoring equipment used to detect cardiac electrical activity.

To achieve the learning outcomes, the student will:

- A. Perform the technical aspects basic techniques in electrocardiography.
- B. Identify normal and abnormal anatomy and physiology of the heart.
- C. Identify normal and abnormal waves in a variety of QRS complexes.
- D. Identify the control features of an EKG machine and describe the functions of each.
- E. Describe and identify on a rhythm strip the different kinds of artifact and how to troubleshoot.
- F. Correctly perform a 12 lead EKG.
- G. Successfully complete the required clinical externship.

**Course Requirements:** Complete all homework assignments, in-class equipment exercises, in class tests and final exam.

**Course Grading Scale:**

90-100 = A

80-89 = B

70-79 = C  
60 – 69 = D  
0 – 59 = F

**Attendance Policy:** The college attendance policy is available at:

<http://catalog.bpcc.edu/content.php?catoid=6&navoid=625>

**Course Fees:** This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams and/or clinical fees.

**Nondiscrimination Statement:** Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

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