

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF HEALTH SCIENCES
KINESIOLOGY DEPARTMENT

KIN 4334 - CORONARY INTERVENTION PROGRAMS

COURSE DESCRIPTION

The anatomy and physiology of the cardiovascular system, cardiovascular disease, electrophysiology, exercise testing, ECG interpretation, risk factor analysis, prevention programs, and cardiac rehabilitation programs will be discussed.

COURSE PREREQUISITES

KIN 4312

COURSE OBJECTIVES

Each student will demonstrate knowledge and understanding of:

1. Anatomy of the heart and circulation.
2. Electrophysiology of myocardial conduction system.
3. Cardiovascular system and the cardiovascular response at rest and during and after exercise.
4. Basic ECG interpretation.
5. Graded Exercise Testing and Interpretation.
6. Cardiac rehabilitation

CLASS MEETINGS

REQUIRED TEXTS

Aehlert, Barbara. ECGs Made Easy, 3rd edition. Phoenix, AZ: Elsevier, 2006.

American College of Sports Medicine. ACSM's Guidelines for Exercise Testing and Prescription, 7th Edition. Baltimore, MD: Lippincott Williams & Wilkins, 2006.

Laboratory – Laboratory handouts will be posted on web-CT

GRADING SCALE

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F = below 60%

EVALUATION OF STUDENTS

Exams (3 exams) 45%

Labs 25%

Quizzes 20%

Assignments 10%

If you are interested in a **Cardiac Rehabilitation Internship**, you must get a background check, hepatitis shots, and drug screening. Please contact Connie Gamboa at the CHS advising office: cgamboa@utep.edu or 747-8564. Contact Dr. George King for internship course requirements and information: gking@utep.edu.

NOTE:

- Each student must take all exams.
- Each exam must be taken at the designated time unless arrangements are made in advance.
- Class assignments are due at the time designated by the instructor(s).
- Late assignments **WILL NOT** be accepted.
- There will be **NO EXTRA CREDIT** allowed. You will be given extra credit opportunities during exams.

- **To pass this class you must earn a grade of C or better.**
- **Extra credit opportunities, including extra credit questions on an exam or project, should not exceed 2% of the overall semester grade. All extra credit opportunities for a given class should be relevant to the mission and vision of the department.**

SCHOLASTIC HONESTY AND DISCIPLINE

Students are encouraged to study together and to share their knowledge freely during the learning process, as well as cooperate to the best of their ability on group projects. However, during exams and quizzes no assistance from other students or outside sources is allowed (materials such as books and notes may not be used unless otherwise indicated by the instructor). Students should handle their answer sheets discretely by keeping them out of easy view of others. Students may discuss individual written assignments (i.e. homework, lab work, etc.), but these assignments must be the student's own work. "Scholastic dishonesty" – which includes the attempt of any student to present the work of another as his or her own, or any work which s(he) has not honestly performed, or attempting to pass any examination by improper means – is a serious offense and will subject the student to disciplinary action. The aiding and abetting of a student in any dishonesty is held to be an equally serious offense. All alleged acts of scholastic dishonesty will be reported to the Dean of Students for disposition. It is the Dean of Students' responsibility to investigate each allegation, dismiss the allegation, or proceed with disciplinary action in a manner which provides the accused student his or her rights of due process.

PROFESSIONAL CONDUCT

During this course you will be expected to deal with your subject area, your colleagues, and yourself as a professional. Demonstrate pride in your chosen profession through both your actions and your attitude. This includes being on time for class and coming to class prepared. **Attendance is expected.**

NO cell phones allowed in class.

The Kinesiology Program seeks to provide reasonable accommodations for all qualified individuals with disabilities with respect to equal educational opportunities. It is the student's responsibility to present proper documentation to the faculty member in a timely manner in order to arrange for appropriate accommodations.

ADDITIONAL COURSE INFORMATION

This course is an extension of Kinesiology 4312. The level of presentation and the textbook used in this course necessitate a current understanding of the concepts presented in other courses. You are expected to read through the text material **before** lecture to review these concepts.

The laboratory is an important part of this course and attendance is expected. During lab, you will be required to participate as both a test subject and a technician.

QUIZZES

Pop quizzes will be given at the beginning of class. No make up quizzes are allowed. If you are late to class and miss a quiz you will receive a zero for that quiz. No exceptions.

HOMEWORK

Homework assignments may be given. Homework is due at the beginning of class. No late homework assignments will be accepted. No exceptions.