

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

**KIN 4334 - CORONARY INTERVENTION PROGRAMS LAB SYLLABUS**

**COURSE DESCRIPTION**

Coronary Interventions is a senior-level course for all Kinesiology majors pursuing the clinical exercise physiology degree plan. This course will be conducted face to face utilizing supplemental materials deployed on BlackBoard. The course includes a lecture section with will focus on cardiac rhythm recognition and basic ECG interpretation, while the lab will focus on exercise testing.

Learning Outcomes: Upon successful completion of the lab section of Coronary Interventions, the student will have the knowledge and skills to competently select and perform graded exercise tests in the research, clinical, or medical office setting. In the performance of exercise tests, students will have experience in narrating care, obtaining informed consent, prepping the 12-lead ECG for monitoring during exercise, measurement of blood pressure, heart rate, and oxygen saturation, assessing exercise intensity, recognizing cardiac arrhythmias, basic ECG interpretation and summarizing test results. Students will be able to use the results to determine functional capacity, they will recognize signs/symptoms of exercise intolerance, they will be able to identify relative and absolute contraindications of exercise testing and summarize the findings of the exercise test.

**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.

	<b>Teaching Assistant</b>
	Scout Gonzales
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**REQUIRED TEXTS ISBN**

Aehlert, Barbara. ECGs Made Easy, 6<sup>th</sup>edition. Phoenix, AZ: Elsevier, 2018. ISBN 9780323401302

American College of Sports Medicine. ACSM's Guidelines for Exercise Testing and Prescription, 10<sup>th</sup> Edition. Baltimore, MD: Lippincott Williams & Wilkins, 2017. ISBN 97814963

**ACSM Guidelines for Exercise Testing and Prescription, 11<sup>th</sup> Edition is NOW available.**

## EVALUATION OF STUDENTS

### GRADING SCALE

A = 90-100%  
B = 80-89%  
C = 70-79%  
D = 60-69%  
F = below 60%

Total Lab points: **300 points**; worth 30% of total class grade.

Lab Points Breakdown:

12 Labs each 10 points: **120 points**  
5 Quizzes each 20 points: **100 points**  
Final Exam: **70 points**  
Attendance: **10 points**

270-300 pts = A  
240-269 pts = B  
210-239 pts = C  
180-209 pts = D  
179 and below = F

### COVID-19 PRECAUTION STATEMENT

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to [covidaction@utep.edu](mailto:covidaction@utep.edu), so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID-19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit [epstrong.org](http://epstrong.org).

**THERE IS FLEXIBILITY BUILT INTO THIS SYLLABUS TO BE ABLE TO ADAPT TO INDIVIDUAL AND COLLECTIVE COVID CIRCUMSTANCES. Please communicate ANY Covid exposure or diagnosis to your COURSE INSTRUCTOR and your LAB INSTRUCTOR.**

## LABORATORY –

- All students are required to bring the **ACSM Guidelines for Exercise Testing and Prescription** to laboratory.
- Although you may be discussing your labs in a class, the answers to the lab questions must be in your own words. Do not copy from the book and do not copy from your group members. **Copied answers or group answers will not receive credit.**
- Lab assignments are to be submitted on time as indicated by the instructor.
- Late lab assignments will not be accepted, unless arrangements have been made with the instructor **PRIOR** to the missed lab.
- Students are expected to attend lab at the assigned time. If you have an unexpected schedule conflict and need to attend another lab, please get approval of the lab instructors ahead of time.
- If a student arrives late to class (>5 minutes), a deduction of 5 points will be taken from the professional conduct grade.
- **No make-up labs will be allowed.**
- Students are expected to be present for every lab. Missed labs will result in a deduction of 5 points to student participation grade along with the zero received for the missed assignment.
- All students **must participate** to get credit for lab assignments.
- Each week several items will be delivered in lab, including:
  - A lab presentation
  - An associated quiz
  - A lab sheet for data collection and questions to be answered based on the data.
- You will be given a lab sheet. Each lab sheet will have data collected during the exercise protocol including the GXT table filled with results and ECG tracings.
- There will be a series of questions that accompany the information on each lab sheet. The questions are based on the presentation information, lab data, and information found in your ACSM manual.
- Each week the lab report is worth 10 pts, the associated quiz will be worth 5-10 pts
- Supplemental material will be provided periodically on BlackBoard
- All work will be submitted either to BlackBoard or in class as designated by the instructor. You will be informed ahead of time how to submit your work.
- TA office hours are arranged by appointment. However, if you have any questions, we will respond as quickly as possible by email or text.

**Students in Need of Assistance:** UTEP seeks to provide reasonable accommodations for all qualified individuals who need accommodations or support for their learning. This university adheres to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required, affording equal educational opportunity. It is the *student's responsibility* to register with the **Center for Accommodations and Support Services** <http://sa.utep.edu/cass/> in the UTEP Union Bldg. East Wing, Room 106 **within the first two weeks of classes**, and inform the faculty member to arrange for appropriate accommodations or support.

The CASS Office can also be reached in the following ways:

Web: <http://cass.utep.edu/>

Phone: (915) 747-5148 voice or TTY;

Fax: (915) 747-8712; E-Mail: [cass@utep.edu](mailto:cass@utep.edu)