

Eastern Illinois University – Department of Kinesiology and Sports Studies

KSS 5250 – Exercise Electrocardiography – 3 credit hours

Syllabus for Fall 2017

Instructor: Jake Emmett, Ph.D.

Office: 2202 Lantz Building.

Office Hours: 9-10:00 and 12-1:00 Tuesday & Thursday, or by appointment

Email: D2L mail (primary), jemmett@eiu.edu (secondary)

Catalog Course Description: The course is designed to instruct the student in the basics of the normal and abnormal resting and exercise electrocardiogram. Involves lecture experiences and intensive investigation of documented ECG case studies.

Learning Objectives:

- Understand basic electrophysiology of myocardial tissue
- Understand the factors that contribute to a normal ECG patterns at rest and during exercise.
- Know the criteria and identify the characteristics of a normal resting and exercise ECG
- Identify the characteristics of abnormal resting and exercise ECG

Course Material:

Textbook: Levine, S., Coyne, B., and Colvin, L. (2016). Clinical Exercise Electrocardiography. Jones and Bartlett.

Course Outline and Schedule:

Week 1	Heart Structure and Function
Week 2	Basic ECG Concepts and Systematic Interpretation
	Cardiovascular Function and ECG Basics Exam
Week 3	Sinus Rhythms
Week 4	Chamber Enlargements
Weeks 5-6	Atrioventricular Blocks
Week 7	Bundle Branch Blocks
	Resting ECG Midterm Exam
Week 8	Ventricular Arrhythmias
Week 9-10	Supraventricular Arrhythmias
Weeks 11-12	Myocardial Ischemia and Infarction
	Comprehensive Resting ECG Exam
Week 13	Cardiovascular Pathophysiology
Week 14	Pharmacological Agents
Week 15	Rapid ECG Interpretation
	Rapid ECG interpretation Exam

(Note: schedule subject to change)

Assignments:

Quizzes:	10 points (may be unannounced)
Assignments:	10 points
Exams:	50-60 points each
ECG Simulator Exam:	25 points

Grading Policy:

- A 90-100% of total points
- B 80-89% of total points
- C 70-79% of total points
- D 60-69% of total points
- F < 60% of total points

Note: This course requires the use of LockDown Browser for online exams. Watch this [short video](#) to get a basic understanding of LockDown Browser.

Then download and install LockDown Browser from this link:

<https://www.respondus.com/lockdown/download.php?id=134612535> (Note: This link is specific to EIU.)

To take a practice quiz using LockDown Browser, do the following:

- Start LockDown Browser, log into D2L (<http://www.eiu.edu/d2l>), and select the "D2L Student Orientation" course.
- Locate the practice quiz named "Respondus Lockdown Browser Sample Quiz- Requires Respondus LockDown Browser" located under "Assessments > Quizzes" in the D2L Student Orientation.
- Upon completing and submitting the practice quiz, exit LockDown Browser.

To take an online test,

Start LockDown Browser and navigate to the exam. (You won't be able to access the exam with a standard web browser.) For additional details on using LockDown Browser, review this Student Quick Start Guide (PDF).

Finally, when taking an online exam, follow these guidelines:

- Ensure you're in a location where you won't be interrupted
- Turn off all mobile devices, phones, etc.
- Clear your desk of all external materials — books, papers, other computers, or devices
- Remain at your desk or workstation for the duration of the test
- LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted.

General Information/Policies

- **Academic integrity** - Students are expected to maintain principles of academic integrity and conduct as defined in EIU's Code of Conduct (<http://www.eiu.edu/judicial/studentconductcode.php>). Violations will be reported to the Office of Student Standards.
- **Students with disabilities** - If you are a student with a documented disability in need of accommodations to fully participate in this class, please contact the Office of Student Disability Services (OSDS). All accommodations must be approved through OSDS. Please stop by Ninth Street Hall, Room 2006, or call 217-581-6583 to make an appointment.
- **The Student Success Center** - Students who are having difficulty achieving their academic goals are encouraged to contact the Student Success Center (www.eiu.edu/~success) for assistance with time management, test taking, note taking, avoiding procrastination, setting goals, and other skills to support academic achievement. The Student Success Center provides individualized consultations. To make an appointment, call 217-581-6696, or go to 9th Street Hall, Room 1302.