

**Eastern Illinois University**  
**New/Revised Course Proposal Format**  
 (Approved by CAA on 4/3/14 and CGS on 4/15/14, Effective Fall 2014)

**Banner/Catalog Information (Coversheet)**

1.  New Course or  Revision of Existing Course
2. **Course prefix and number:** KSS 5250
3. **Short title:** Exercise Electrocardiography
4. **Long title:** Exercise Electrocardiography
5. **Hours per week:** \_3\_ Class \_0\_ Lab \_3\_ Credit
6. **Terms:**  Fall  Spring  Summer  On demand
7. **Initial term:**  Fall  Spring  Summer Year: \_2015\_
8. **Catalog course description:** The interpretation of normal and abnormal electrocardiograms at rest and during exercise.

9. **Course attributes:**

General education component: \_\_\_\_\_

Cultural diversity  Honors  Writing centered  Writing intensive  Writing active

10. **Instructional delivery**

**Type of Course:**

Lecture  Lab  Lecture/lab combined  Independent study/research  
 Internship  Performance  Practicum/clinical  Other, specify: \_\_\_\_\_

**Mode(s) of Delivery:**

Face to Face  Online  Study Abroad  
 Hybrid, specify approximate amount of on-line and face-to-face instruction \_\_\_\_\_

11. **Course(s) to be deleted from the catalog once this course is approved.** n/a

12. **Equivalent course(s):** n/a

a. **Are students allowed to take equivalent course(s) for credit?**  Yes  No

13. **Prerequisite(s):**

a. **Can prerequisite be taken concurrently?**  Yes  No

b. Minimum grade required for the prerequisite course(s)? \_\_\_

c. Use Banner coding to enforce prerequisite course(s)? \_\_\_ Yes \_\_\_ No

d. Who may waive prerequisite(s)?

\_\_\_ No one \_\_\_ Chair \_\_\_ Instructor \_\_\_ Advisor \_\_\_ Other (specify)

14. Co-requisite(s): n/a

15. Enrollment restrictions

a. Degrees, colleges, majors, levels, classes which may take the course: Graduate Level Standing

b. Degrees, colleges, majors, levels, classes which may not take the course: Undergraduate Standing

16. Repeat status:  May not be repeated \_\_\_ May be repeated once with credit

17. Enter the limit, if any, on hours which may be applied to a major or minor: n/a

18. Grading methods:  Standard \_\_\_ CR/NC \_\_\_ Audit \_\_\_ ABC/NC

19. Special grading provisions: n/a

\_\_\_ Grade for course will not count in a student's grade point average.

\_\_\_ Grade for course will not count in hours toward graduation.

\_\_\_ Grade for course will be removed from GPA if student already has credit for or is registered in:

\_\_\_\_\_

\_\_\_ Credit hours for course will be removed from student's hours toward graduation if student already has credit for or is registered in: \_\_\_\_\_

20. Additional costs to students: n/a

Supplemental Materials or Software \_\_\_\_\_

Course Fee  No \_\_\_ Yes, Explain if yes \_\_\_\_\_

21. Community college transfer:

\_\_\_ A community college course may be judged equivalent.

A community college may not be judged equivalent.

Note: Upper division credit (3000+) will not be granted for a community college course, even if the content is judged to be equivalent.

### **Rationale, Justifications, and Assurances (Part I)**

1. \_\_\_ Course is required for the major(s)

\_\_\_ Course is required for the minor(s) of n/a

\_\_\_ Course is required for the certificate program(s) of n/a

\_X\_ Course is used as an elective for KSS graduate students

**2. Rationale for proposal:** The content of this course is vital for students pursuing opportunities in the field of cardiac rehabilitation. It prepares graduate students for KSS 5655, Supervisory Experiences in Cardiac Rehabilitation, as well as any cardiac rehabilitation internship or job. Furthermore, this course has been revised to reflect current content of the topic.

**3. Justifications for (answer N/A if not applicable)**

Similarity to other courses: n/a

Prerequisites: n/a

Co-requisites: n/a

Enrollment restrictions: n/a

Writing active, intensive, centered: n/a

**4. General education assurances (answer N/A if not applicable)**

General education component: n/a

Curriculum: n/a

Instruction: n/a

Assessment: n/a

**5. Online/Hybrid delivery justification & assurances (answer N/A if not applicable)**

Online or hybrid delivery justification: n/a

Instruction: n/a

Integrity: n/a

Interaction: n/a

## **Model Syllabus (Part II)**

Please include the following information:

1. Course number and title: KSS 5250 – Exercise Electrocardiography
2. Catalog description: The interpretation of normal and abnormal electrocardiograms at rest and during exercise.
3. Learning objectives.
  1. Understand basic electrophysiology of myocardial tissue (Depth of content knowledge; Effective critical thinking and problem-solving)
  2. Evaluate the factors that contribute to a normal electrocardiogram (ECG) patterns at rest and during exercise. (Effective critical thinking and problem-solving)
  3. Interpret the criteria and identify the characteristics of a normal ECG. (Effective critical thinking and problem-solving)
  4. Analyze the characteristics of abnormal resting and exercise ECG. (Effective critical thinking and problem-solving)
4. Course materials: Textbook: Dunbar and Saul (2009) *ECG Interpretation for the Clinical Exercise Physiologist*. Lippincott Williams & Wilkins; Philadelphia, PA

5. Weekly outline of content.

Weeks 1-2	Heart anatomy and function (Objective 1 and 2)
Week 3	Normal resting electrocardiogram (Objective 3) Exam 1 (Objective 1-3)
Week 4	Supraventricular arrhythmias (Objective 4)
Weeks 5-6	Atrioventricular blocks (Objective 4)
Week 7	Ventricular arrhythmias (Objective 4) Exam 2 (Objective 4)
Week 8	Axis of the heart (Objective 2 and 4)
Week 9	Atrial & ventricular enlargements and hypertrophy (Objective 4)
Weeks 10-11	Ventricular conduction defects (Objective 4)
Weeks 12-13	Myocardial ischemia and infarction (Objective 4) Exam 3 (Objective 4)
Week 14	Pharmacological influences (Objective 2 and 4)
Week 15	Rapid ECG Interpretation (Objective 4)
Week 16	Final Exam (Objective 4)

6. Assignments and evaluation, including weights for final course grade.

Quizzes: 30%  
Exams: 50%  
Rapid ECG Interpretation Exam: 20%

7. Grading scale.

A  $\geq$  90% 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

8. Correlation of learning objectives to assignments and evaluation.

<u>Objective</u>	<u>Exams</u>
1.	X
2.	X
3.	X
4.	X

**Date approved by the department or school: 10/24/14**

**Date approved by the college curriculum committee:**

**Date approved by the Honors Council (*if this is an honors course*):**

**Date approved by CAA: CGS:**