

**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 5207
3. **Short title:** Pharmacology for AT
4. **Long title:** Pharmacology for Athletic Trainers
5. **Hours per week:** 2 Class 0 Lab 2 Credit
6. **Terms:** ☒ Fall ☐ Spring ☐ Summer ☐ On demand
7. **Initial term:** ☒ Fall ☐ Spring ☐ Summer Year: 2019
8. **Catalog course description:** Examination and analysis of pharmacological principles with a focus on drug categories that are pertinent to the treatment of athletic injuries or that may affect athletic performance.

**9. Course attributes:**

General education component: ☐ Not applicable

☐ 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. none

12. **Equivalent course(s):** none

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

13. **Prerequisite(s):** Admittance into the Athletic Training professional master's degree program and a "C" or better in KSS 5105 Introduction to Athletic Training

a. Can prerequisite be taken concurrently? ☐ Yes ☒ No

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

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): KSS 5208 – Athletic Training Clinical Field Experience II

**15. Enrollment restrictions**

a. Degrees, colleges, majors, levels, classes which may take the course: Restricted to students actively admitted into the Master's Degree in Athletic Training Program

b. Degrees, colleges, majors, levels, classes which may not take the course: Any Non-Athletic Training master's degree student

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:**

☐ 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:**

Supplemental Materials or Software N/A

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. \_X\_ Course is required for the major(s) of: Master's Degree in Athletic Training\_\_\_\_\_
- \_\_\_\_\_ Course is required for the minor(s) of \_\_\_\_\_
- \_\_\_\_\_ Course is required for the certificate program(s) of \_\_\_\_\_
- \_\_\_\_\_ Course is used as an elective

2. **Rationale for proposal:** This is a required course within the athletic training program. KSS 5102 contains required content that must be delivered to students for accreditation purposes and to be eligible to sit for the national board examination.

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

Similarity to other courses: N/A

Prerequisites: Admittance into the Athletic Training professional master's degree program due to a secondary admissions process and a "C" or better in KSS 5105 – Introduction to Athletic Training

Co-requisites: KSS 5208 – Athletic Training Clinical Field Experience II will reinforce material taught in KSS 5207 in a clinical setting

Enrollment restrictions: Restricted to students actively admitted into the Master's Degree in Athletic Training Program due to a secondary admissions process

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: Offering KSS 5207 as an online course will provide more flexibility in the scheduling of courses and clinical field experiences for the students. All students admitted into the Athletic Training master's degree program will take this course online and will be beneficial to students who are commuting to EIU's main campus.

Instruction: The online component of the course will include a combination of synchronous and asynchronous learning activities included but not limited to: video lectures, posted readings, drop box assignments and threaded discussions All instructors who teach this course online will have completed EIU OCDi training or equivalent.

Integrity: Written assignments will be subjected to originality checking software (e.g. Turnitin) and students will need to log into an online course management system (e.g. D2L) using network passwords to access course materials, assignments, quizzes and exams. Online quizzes and tests will include randomized questions, time limits for quizzes and exams as well as utilizing a “lock down” browser that restricts simultaneous web browsing (e.g. Respondus).

Interaction: The faculty member and students will communicate through email, discussion boards and chat functions associated with the online course management system utilized (e.g. D2L).

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

Please include the following information:

1. Course number and title: KSS 5207 – Pharmacology for Athletic Trainers
2. Catalog description: Examination and analysis of pharmacological principles with a focus on drug categories that are pertinent to the treatment of athletic injuries or that may affect athletic performance
3. Learning objectives:

LEARNING OBJECTIVE	GRADUATE LEARNING GOAL
1. Examine & synthesize pharmacokinetic and pharmacodynamic principles	1,2
2. Critically assess medication management practices in athletic training facilities	1,2
3. Examine & critically compare drugs that are used for the following purposes: <ul style="list-style-type: none"> <li>- Infection</li> <li>- Inflammation</li> <li>- Pain</li> <li>- Muscle relaxation</li> <li>- Asthma</li> <li>- Colds &amp; allergies</li> <li>- GI disorders</li> <li>- Hypertension &amp; heart disease</li> <li>- Diabetes mellitus</li> </ul>	1,2
4. Examine various herbal & fitness supplements commonly seen in current patient populations	1,2
5. Examine performance enhancing drugs commonly seen in current patient populations	1,2
6. Synthesize evidence based research related to pharmacological applications in athletic training	1,2,3,4

4. Course materials:

Houglum, J., Harrelson, G., Seefeldt, T. *Principles of Pharmacology for Athletic Trainers*, 3<sup>rd</sup> ed. Slack Inc., 2016

5. Weekly outline of content.

Online: Each week will be constructed on the assumption of a minimum of 100 minutes for synchronous and asynchronous online interaction through learning activities (threaded discussions, online assessments, etc) in addition to 200 minutes of reading, review, research and preparation on the part of the student.

WEEK	CONTENT	OBJECTIVE
Week 1	Introduction to Pharmacology	1
Week 2	Pharmacokinetic Principles	1
Week 3	Pharmacodynamic Principles	1
Week 4	Medication Management in an Athletic Training Facility	2,6
Week 5	Drugs for Treating Infection	3
Week 6	Drugs for Treating Inflammation	3
Week 7	Drugs for Treating Pain	3
Week 8	Drugs for Treating Relaxing Skeletal Muscle	3
Week 9	Drugs for Treating Asthma	3
Week 10	Drugs for Treating Colds & Allergies	3
Week 11	Drugs for Treating Gastrointestinal Disorders	3
Week 12	Drugs for Treating Hypertension& Heart Disease	3
Week 13	Drugs for Treating Diabetes Mellitus	3
Week 14	Herbal & Fitness Supplements	4
Week 15	Performance Enhancing Drugs	5
Week 16	Final exam	1-6

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

Assignments (including but not limited to): (20%)

Threaded discussions

Interactive reading assignments

Research (including but not limited to): (20%)

Position statement analysis

EBP analysis of anti-inflammatory drugs for acute injury

Assessments: (60%)

Weekly quizzes

Comprehensive midterm exam

Comprehensive final exam

**7. Grading scale.**

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

**8. Correlation of learning objectives to assignments and evaluation.**

OBJECTIVE	ASSIGNMENTS (20%)	RESEARCH (20%)	ASSESSMENTS (60%)
1	X		X
2	X		X
3	X		X
4	X		X
5	X	X	X

**Date approved by the department or school:** September 22, 2017

**Date approved by the college curriculum committee:** October 9, 2017

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

**Date approved by CAA:**        **CGS:**