

Athletic Training Education Program  
Department of Kinesiology & Sports Studies  
KSS 4900 P – Pharmacology

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Textbook: Pharmacology Applications in Athletic Training. FA Davis.

Course Description: Pharmacological principles and administration guidelines for prescription and over the counter medications that are commonly seen in the athletic training profession

Objectives: At the end of the course the student will be able to:

1. Apply pharmacodynamic & pharmacokinetic principles to the athletic training profession.
2. Apply pharmacological principles to over the counter and prescription medications commonly seen in athletic training profession

<u>Evaluations Method</u>	<u>Scale</u>
Weekly Quizzes – 50%	100%-90% = A
Article Review – 30%	89.9%-80% = B
Comprehensive Midterm & Final exam - 20%	79.9%-70% = C
	69.9%-60% = D
	59.9% & below = F

Article Review:

Guidelines:

- Must be from a sports medicine or medical journal no earlier than 2007 (examples: Physician & Sports Medicine, Journal of Athletic Training, American Journal of Sports Medicine, etc...) Most of these should be available either online or through the library
- Topics limited to prescription drugs, non-prescription drugs (OTC's) or performance enhancing drugs only
- Must include a copy of the article
- Minimum of two pages, typed, double spaced, cover page, 12 point font, 1 inch margins, reference page, APA format
- Should include article summary and paragraph on how it directly relates to your future profession in working with physically active individuals

### Course Schedule:

Week 1:	Introduction
Week 2:	Chapter 1: Management of Pharmacology
Week 3:	Chapter 2: Pharmacodynamic & Pharmacokinetic principles
Week 4:	Chapter 3: Drugs for Inflammation
Week 5:	Chapter 4: Skeletal Muscle Relaxant Drugs
Week 6:	Chapter 5: ADHD, Diabetes Mellitus, Seizures
Week 7:	Chapter 6: Cardiovascular arrhythmias & Hypertension
Week 8:	FALL BREAK – ARTICLE REVIEW DUE
Week 9:	Chapter 7: Drugs for Treating Respiratory Disorders
Week 10:	MIDTERM
Week 11:	Chapter 8: Drugs for Treating GI disorders
Week 12:	Chapter 9 & 10: Drugs for Treating Infection/Pain
Week 13:	Chapter 11: Performance Enhancing Drugs
Week 14:	GOBBLE GOBBLE
Week 15:	Chapter 12 & 13: Stimulants & Ergogenic Supplements
Week 16:	Chapter 14 & 15: Social Drugs
Week 17:	FINAL EXAM

#### Student Success Center:

Students who are having difficulty achieving their academic goals are encouraged to contact the Student Success Center ([www.eiu.edu/~success](http://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.

#### 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.

#### Disability Services:

If you have a documented disability and wish to receive academic accommodations, please contact the Coordinator of the Office of Disability Services ([www.eiu.edu/~disability](http://www.eiu.edu/~disability)) at 217-581-6583).