

# MAT 6946 - General Medical Conditions Evaluation and Management

Fall 2026 Syllabus, Section 01, CRN 42605,

Credit hours: 4

## Instructor

Alan Koren

Email: [atkoren@ysu.edu](mailto:atkoren@ysu.edu)

## Public Instructor Information

Instructor Title: Assistant Professor

Instructor Professional Qualifications: DAT AT Still University, MS *Athletic Training* California University of Pennsylvania, BS *Athletic Training* Heidelberg University.

Instructor Office Location: Beeghly Center 307K

Instructor Office Phone: 330-941-2756

## Course Description

6946. General Medical Conditions Evaluation and Management. This course will provide students with a comprehensive and evidence-based approach to the evaluation and clinical diagnosis of general medical conditions related to pathophysiological and epidemiological factors. Students will learn processes for establishing a plan of care, pharmacology and pharmacological interventions, nutrition, and referral necessary for conditions associated with the general medical healthcare. Prereq.: Successful completion of Summer 1 Courses. 4 s.h.

## Course Readings

| Group    | Title                                                   | Author                        | ISBN           |
|----------|---------------------------------------------------------|-------------------------------|----------------|
| Required | Medical Conditions in the Physically Active 4th edition | Katie Flanagan, Micki Cuppett | 9781718215405  |
| Required | Clinical Pharmacology in Athletic Training              | Michelle Cleary               | 978-1492594185 |

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

## Schedule of Topics and Assignments

| Day | Date | Reading(s)     | Proposed Topic                                                                                  | Due/To Prepare for Class |
|-----|------|----------------|-------------------------------------------------------------------------------------------------|--------------------------|
| Tue | 8/25 | MCA 1,2        | Review Syllabus<br>Medical Exam Procedure<br>Diagnostic Imaging and Testing<br>Cultural Beliefs |                          |
| Thu | 8/27 | MCA 1,2        | Defining Cultural Competency                                                                    |                          |
| Tue | 9/1  | CPAT 1,2,3     | Legal Aspects of Adminstrating Med in AT Setting                                                |                          |
| Thu | 9/3  | CPAT 1,2,3     | Drug names, classifications, safety drug delivery                                               |                          |
| Tue | 9/8  | CPAT 4,5       | Pharmacokinetics                                                                                |                          |
| Thu | 9/10 | CPAT 4,5       | Pharmacodynamics                                                                                |                          |
| Tue | 9/15 | CPAT 6.7.8.9   | Dosage and Procedures<br>Intro to Medication to Treat Pain                                      |                          |
| Thu | 9/17 | CPAT 6.7.8.9   | Medication to Treat Pain<br>Drugs to Treat Inflammation                                         |                          |
| Tue | 9/22 | MCA 5, CPAT 10 | Drugs to Treat Infections                                                                       |                          |

|     |       |                        |                                                                          |
|-----|-------|------------------------|--------------------------------------------------------------------------|
| Thu | 9/24  | MCA 5, CPAT 10         | Common Procedures in the AT Facility                                     |
| Tue | 9/29  | MCA 6,7 CPAT 11, 12    | Respiratory and Cardiovascular System                                    |
| Thu | 10/1  | MCA 6,7 CPAT 11, 12    | Drugs for treating Asthma, Respiratory, and Cardiovascular Conditions    |
| Tue | 10/6  | MCA 8 CPAT 14          | Gastrointestinal System                                                  |
| Thu | 10/8  | MCA 8 CPAT 14          | Drugs for Treating Digestive Disorders                                   |
| Tue | 10/13 |                        | Project Week                                                             |
| Thu | 10/15 |                        | Project Week                                                             |
| Tue | 10/20 | MCA 9 CPAT 17          | Genitourinary and Gynecological System                                   |
| Thu | 10/22 | MCA 9 CPAT 17          | Drugs for Treating Reproductive/ Genitourinary Concerns                  |
| Tue | 10/27 | MCA 10 CPAT 15         | Neurological System and Musculoskeletal System                           |
| Thu | 10/29 | MCA 10 CPAT 15         | Drugs for treating Common Musculoskeletal and Neurological Conditions    |
| Tue | 11/3  | MCA 11, 12             | Eyes, Ear, Nose, and Mouth Common Conditions                             |
| Thu | 11/5  | MCA 11, 12             | Drugs to treat Eyes, Ear, Nose, and Mouth conditions                     |
| Tue | 11/10 | MCA 13, 14, 15 CPAT 13 | Systemic Disorders, Infectious Diseases, and Endocrine Disorders         |
| Thu | 11/12 | MCA 13, 14, 15 CPAT 13 | Drugs to treat diabetes and disordered glucose metabolism                |
| Tue | 11/17 | MCA 16 CPAT 16         | Dermatological Conditions                                                |
| Thu | 11/19 | MCA 16 CPAT 16         | Drugs to treat dermatological conditions                                 |
| Tue | 11/24 | MCA 17 CPAT 18         | Behavioral Health, Psychological and Substance Use Disorders             |
|     |       |                        | Drugs for treating mental health conditions                              |
| Thu | 11/26 |                        | Happy Thanksgiving.                                                      |
| Tue | 12/1  | MCA 18 CPAT 19, 21     | Working with Special Populations                                         |
| Thu | 12/3  | MCA 18 CPAT 19, 21     | Drugs and Supplements to Enhance Performance, Cannabis, and Cannabinoids |
| Tue | 12/8  |                        | Comprehensive Final Exam                                                 |

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.