



**UNIVERSITY OF THE INCARNATE WORD - ATHLETIC TRAINING EDUCATION  
COMPETENCY AND PROFICIENCY MATRIX (4<sup>TH</sup> EDITION)**

**COMPETENCIES AND PROFICIENCIES LISTED FOR  
ATHP 2341 – PHARMALOGICAL ISSUES IN ATHLETIC TRAINING**

**ACUTE CARE OF INJURIES AND ILLNESSES**

<b>Course(s) Taught</b>	<b>Course(s) Evaluated</b>	
ATHP 2301 ATHP 2341	ATHP 2301 ATHP 2341 ATHP 2170	P4.11 - Toxic drug overdose

**THERAPEUTIC MODALITIES**

<b>Course(s) Taught</b>	<b>Course(s) Evaluated</b>	
ATHP 3320 ATHP 2341	ATHP 3320	C5 - Describe the role and function of the common pharmacological agents that are used in conjunction with therapeutic modalities.

**PHARMACOLOGY**

<b>Course(s) Taught</b>	<b>Course(s) Evaluated</b>	
ATHP 2341	ATHP 2341 ATHP 3340	C1 - Explain the laws, regulations, and procedures that govern storing, transporting, dispensing, and recording prescription and nonprescription medications (Controlled Substance Act, scheduled drug classification, and state statutes.)
ATHP 2341	ATHP 2341	C2 - Identify appropriate pharmaceutical terminology and abbreviations used in the prescription, administration, and dispensing of medications.
ATHP 2341	ATHP 2341	C3 - Identify information about the indications, contraindications, precautions, and adverse reactions for common prescription and nonprescription medications (including herbal medications) using current pharmacy resources.
ATHP 2341	ATHP 2341	C4 - Explain the concepts of pharmacokinetics (absorption, distribution, metabolism, and elimination) and the suspected influence that exercise might have on these processes.
ATHP 2341	ATHP 2341	C5 - Explain the concepts related to bioavailability, half-life, and bioequivalence.
ATHP 2341	ATHP 2341	C6 - Explain the general pharmacodynamic principles as they relate to the mechanism of drug action and therapeutic effectiveness (e.g. receptor theory, dose-response relationship, potency, and drug interactions).
ATHP 2341	ATHP 2341	C7 - Describe the common routes used to administer medications (e.g. oral, inhalation, and injection) and their advantages and disadvantages.
ATHP 2341	ATHP 2341	C8 - Explain the relationship between generic or brand name pharmaceuticals.
ATHP 2341	ATHP 2341 ATHP 3340	C9 - Identify medications that might cause possible poisoning, and describe how to activate and follow the locally established poison control protocols.
ATHP 2341	ATHP 2341	C10 - Explain the known usage patterns, general effects, and short- and long-term adverse effects for the commonly used performance-enhancing substances.



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ATHP 2341	ATHP 2341	C11 - Identify which therapeutic drugs and no therapeutic substances are banned by sport and/or workplace organizations in order to properly advise patients about possible disqualification and other consequences.
ATHP 2341	ATHP 2341	P1 - Obtain and communicate patient education materials regarding physician-prescribed medications, over-the-counter drugs, and performance-enhancing substances using appropriate references.
ATHP 2341	ATHP 2341	P2 - Abide by federal, state, and local regulations for the proper storage, transportation, dispensing (administering where appropriate), and documentation of commonly used medications.
ATHP 2341	ATHP 2341 ATHP 3340	P3 - Activate and effectively follow locally established poison control protocols.

**PSYCHOLOGY INTERVENTION AND REFERRAL**

<b>Course(s) Taught</b>	<b>Course(s) Evaluated</b>	
ATHP 2341 ATHP 3340	ATHP 3340	C11 - Identify and describe the sociological, biological and psychological influences toward substance abuse, addictive personality traits, the commonly abused substances, the signs and symptoms associated with the abuse of these substances, and their impact on an individual's health and physical performance
XXXXXX	ATHP 2341 ATHP 4190	CP1 - Demonstrate the ability to conduct an intervention and make the appropriate referral of an individual with a suspected substance abuse or other mental health problem. Effective lines of communication should be established to elicit and convey information about the patient's status. While maintaining patient confidentiality, all aspects of the intervention and referral should be documented using standardized recordkeeping methods.

**NUTRITIONAL ASPECTS OF INJURIES AND ILLNESSES**

<b>Course(s) Taught</b>	<b>Course(s) Evaluated</b>	
ATHP 2341	ATHP 2341	C9 - Describe the principles, advantages, and disadvantages of ergogenic aids and dietary supplements used in an effort to improve physical performance.
ATHP 2341	ATHP 2341	C10 - Explain implications of FDA regulation of nutritional products.

**HEALTH CARE ADMINISTRATION**

<b>Course(s) Taught</b>	<b>Course(s) Evaluated</b>	
ATHP 2341 ATHP 3340	ATHP 3340	C22 - Describe basic components pf organizing and coordination a drug testing and screening program, and identify the sources of current banned-drug lists published by various associations.

**UPDATED 12/16/2008**