

Pharmacology

Local Course #: 81813

State Course ID: 13020950

Course Description:

Healthcare is a very dynamic and exciting industry. Pharmacology provides vital knowledge regarding mechanisms of action, adverse effects, kinetics, and potential drug interactions that impact physiology which can be used for multiple disciplines in healthcare. Medical terminology and pharmacologic terminology will be covered to better understand the nomenclature and what body systems are affected. There will be some mathematical calculations to help understand dosing and administration. Healthcare is a highly regulated industry in which we will go over laws and regulations and safety standards that impact healthcare workers. Other topics may be covered as time permits for the school year.

Successful completion of this course will allow students to continue through their chosen career pathway for the following year.

A strong emphasis will be placed on ethics, accountability, professionalism, and the individuals' commitment to pursue lifelong personal and professional development. Students will be assessed with an Employability Rubric that focuses on responsibility and professionalism.

Link to TEKS:

<https://edynamiclearning.elb1.edynamic.plaudit.net/wp-content/uploads/2023/08/TX-Pharmacology-1a-1b.pdf>

First 9 Weeks Major Topics:

History of pharmacology / Basics of Pharmacology

Second 9 Weeks Major Topics:

Patient Safety / Laws and Regulations

Third 9 Weeks Major Topics:

Medical Calculations and Conversions / Routes of Administration

Fourth 9 Weeks Major Topics:

CNS / ANS / Disease State Management