

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: AH 255
Course Title: Introduction to Pharmacology
Recommended Transcript Title:
Date Approved/Revised: March 20, 2017, 9/30/2020
Credit Hours: 3 Contact hours per week (Based on 15-week term): Lecture: 3 Lab:
Prerequisite: Enrollment restricted to Nursing students in their second year of an Associate of Applied Science Nursing degree program. Special consideration for other students may be granted if approved by instructor. Corequisite: Pre/Corequisite:
Grading Mode: Letter Grade
Catalog Description: Introduction to Pharmacology is a sixteen (16) week course designed to help the student develop an understanding of basic pharmacological concepts, drug action and clinical application. As drug therapy is an integral part of health care, Allied Health workers have a vital role in drug therapy and observation of drug effects.
Course Outcomes: <ol style="list-style-type: none"> 1. Demonstrate knowledge of drug classifications, common side-effects and nursing implication. 2. Examine therapeutic uses of medications. 3. Describe principles and methods of drug administration which includes PO, intradermal, intravenous and topical agents. 4. Critically assess a client's response to chemical therapeutic measures and describe expected outcomes with drug administration. 5. Utilize critical analysis and synthesize concepts of pharmacology and how it is integrated into health care using the nursing process. 6. Compare the significance of the chemical names, generic names and brand name of a drug. 7. Identify the meaning of common abbreviations and component parts of a written prescription and physician orders in the hospital setting. 8. Discuss drug development, significances of scheduling of drugs and federal control. 9. Explain drug absorption, distributions, metabolism and excretions of medications. 10. Describe drug concentrations in the body including peak, trough and half-life. 11. Examine potentiation, agonist and antagonist effects among drug combinations.

<p>12. Describe age, sex, body weight, body surface area, basal metabolic rate, disease states, genetic factors, placebo effect, time of administration and tolerance on drug effects on the human body.</p> <p>13. Describe the rights of Medication Administration.</p> <p>14. Perform drug calculations.</p>
<p>Implementation Cycle: Fall</p>
<p>Role in College Curriculum: (Check all that apply)</p> <p><input type="checkbox"/> General Education Core (Specify category)</p> <p><input type="checkbox"/> Technical Core:</p> <p><input checked="" type="checkbox"/> Restricted Elective – Allied Health</p> <p><input type="checkbox"/> General Elective</p>
<p>Course Fee: No</p>
<p>Instructor's Qualifications: Master's Degree in Nursing preferred. Upon approval, Licensed Pharmacist, Nurse Practitioner or Physician Assistant may be considered.</p>
<p>Expanded Course Description:</p>

Prepared by: Deb Backus, Assoc. Dean of Teaching and Learning	7-16-20
Signature, Title	Date

Approved Per LOT Minutes	9/30/2020
Dean, Academic and Student Services	Date