

**Ralph R. Willis Career and Technical Center
School of Practical Nursing
Pharmacology Syllabus**

Course Number: 9127

Course Hours: 80 HRS

Theory: 40 HRS

Clinical Hours: 40 HRS

TEXTBOOKS:

1. Willihnganz, Michelle J. / Gurevitz, Samuel L. / Clayton, Bruce D.; Clayton's Basic Pharmacology for Nurses, St. Luis, Elsevier; 18th Edition; 2020.

Course Description

This course is an introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics include the skills, roles, and responsibilities of the nurse in safe administration of medications within an ethical/legal framework. Dosage calculations and medication administration skills are practiced in a laboratory setting. Pharmacology is integrated throughout the medical- surgical, geriatric and pediatric and obstetric courses interrelating the body system with the disease process as well as the drug classification, patient education, wellness, maintenance, alternative therapies and cultural considerations.

Course Objectives

At the end of this course the student will:

1. Describe how drugs are classified.
2. Explain the legal implications for administration of drugs by nurses.
3. Trace the general actions of drugs in the body.
4. Discuss measures used to prevent medication errors.
5. Discuss routes of medication administration.
6. Discuss special consideration of medication administration across the life span.
7. Calculate medication dosage.
8. Prepare and administer medication in the following form: Oral, Topical, Inhalant, Intradermal, Subcutaneous, Z-Track and Intramuscular.

Clinical Practicum:

Completed in Acute and Long-Term Care.

Methods of Teaching:

1. Lecture, discussion, role playing emphasizing critical thinking
2. Videos
3. PowerPoint
4. Case Studies
5. Demonstration
6. Individual and Group Conference
7. Written Exams
9. Clinical Lab Practice/ Clinical Setting
10. Evaluations

Revised: 04/27/22

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Student Responsibilities:

1. Read assigned chapter.
2. Refer to and follow student monthly calendar for exam dates.
3. Attend lectures and demonstrations.
3. Complete activities as assigned.
5. Participate in class/lab activities.
6. Discuss critical thinking activities associated with the lesson.
7. Refer and follow the policies as outlined and discussed in the Student Handbook.
8. Pass exams with a grade of 80% or higher.

Methods of Evaluation

1. The following letter grade system is utilized for theory:

| | |
|---|----------|
| A | 93 - 100 |
| B | 86 - 92 |
| C | 80 - 85 |
| F | 79 - 0 |
2. The following grading calculation is utilized for theory:

| | | |
|-----------|-------------|-----------|
| Exams 60% | Quizzes 10% | Final 30% |
|-----------|-------------|-----------|
3. Evaluation Tools:
 - a. Oral Presentations
 - b. Written Exams
 - c. Laboratory Skills
 - d. Homework Assignments
 - e. Computer Exams
 - f. Clinical Skills
4. Make-up Exam:

A student who misses an exam must be prepared to take the exam immediately upon return or as designated by the instructor. Students will automatically have 5% deducted.
5. Quizzes:

Students who are absent during a quiz will receive a Zero. Quizzes are NOT made up.
6. See student monthly calendar for schedule of exam dates.
7. See Student Handbook for clinical grading guidelines.

October

2022

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|---|--|---|---|-------------------------------------|--|
| | | | | | | 1 |
| 2 | 3 Funds Clinical 6.5HRS | 4 PVR CH 11 Test .5HRS Funds CH 37 Test 1HR Funds CH 37 Lab 2HRS PVR CH 12 2HRS | 5 Funds Clinical 6.5HRS | 6 PVR CH 12 Test .5HRS Funds CH 38 2HRS Funds CH 38 Lab 2HRS PVR CH 13 2HRS | 7 Funds Clinical 6HRS | 8 SS -5HRS Funds – 7HRS FC – 19HRS Total – 31HRS |
| 9 | 10 Funds Clinical 6.5HRS | 11 Funds CH 38 Test 1HR PVR CH 13 Test .5HRS Funds CH 39 2HRS Funds CH 39 Lab 2HRS | 12 Funds Clinical 6HRS | 13 Funds CH 39 Test 1HR PVR Culture Project 5HRS | 14 Funds Clinical 6HRS | 15 SS – 5.5HRS Funds – 6HRS FC – 18HRS Total – 31HRS |
| 16 | 17 ATI 6HRS | 18 Funds Final 2HRS Class Meeting 2HRS | 19 Nutrition CH 26 2HRS Nutrition CH 27 2HRS Nutr. CH 27 Lab 2HRS | 20 PVR Final 2HRS Class Meeting 2HRS | 21 Nutrition Clinical 5HRS | 22 SS – 8HRS Funds – 2HRS Nutrition – 6HRS NC – 5HRS SD – 4HRS Total - 25HRS |
| 23 | 24 Nutrition Clinical 5HRS | 25 Nutr. CH 26 Test 1HR Nutr. CH 27 Test 1HR Nutrition CH 46 2HRS Nutrition CH 47 2HRS | 26 Nutrition Clinical 5HRS | 27 Nutr. CH 46 Test 1HR Nutr. CH 47 Test 1HR Pharm CH 1-4 4HRS | 28 Nutrition Clinical 5HRS | 29 Nutrition – 8HRS NC – 15HRS Pharm – 4HRS Total – 27HRS |
| 30 | 31 Professional Learning No School Students | | | | | |

November

2022

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|---|---|--|---|---|--|
| | | 1 Diet Presentations 6HRS | 2 Pharm Clinical 7HRS | 3 Pharm CH 1-4 Test 2HRS Pharm CH 5 1HR Pharm CH 6 1HR Pharm CH 7 2HRS | 4 Pharm Clinical 6.5HRS | 5 Nutrition – 6HRS Pharm – 6HRs PC – 13.5HRS Total – 25.5HRS |
| 6 | 7 Pharm Clinical 6.5HRS | 8 No School Election Day | 9 Pharm Clinical 7HRS | 10 Pharm CH 5-6 Test 1HR Pharm CH 7 1HR Pharm CH 7 Lab 2HRS Pharm CH 8 2HRS | 11 No School Veterans Day | 12 Pharm – 6HRS PC – 13.5HRS Total – 19.5HRS |
| 13 | 14 Pharm Clinical 6.5HRS | 15 Pharm CH 7 Test .5HRS Pharm CH 8 1HR Pharm CH 8 Lab 2HRS Pharm CH 9 2HRS | 16 Pharm Clinical 6.5HRS | 17 Pharm CH 8-9 Test 1HR Pharm CH 9 Lab 2HRS Pharm CH 10 3HRS | 18 Pharm CH 10 Test .5HRS Pharm CH 10 Lab 2HRS Pharm CH 11 3HRS | 19 Pharm – 17HRS PC – 13HRS Total – 30HRS |
| 20 | 21 No School Thanksgiving Break | 22 No School Thanksgiving Break | 23 No School Thanksgiving Break | 24 No School Thanksgiving | 25 No School Thanksgiving Break | 26 |
| 27 | 28 Pharm CH 11 Test .5HRS Pharm CH 11 Lab 2HRS Drug Dosage 2.5HRS | 29 Drug Dosage Test 1HR Pharm Final 1HR Class Meeting 2HRS | 30 G&D CH 11 4HRS G&D CH 15 2HRS | | | SS – 6HRS Pharm – 7HRS SD – 2HRS Total – 15HRS |