

PHA 125

Course Objectives:

At the completion of this course, the student should be able to:

1. Perform the fundamental arithmetic functions on whole numbers with for accuracy and speed
2. Extract information from medication labels to solve arithmetical problems.
3. Comprehend Roman and Arabic numeral systems.
4. Perform the fundamental arithmetic functions with fractions with accuracy and speed.
5. Perform the fundamental arithmetic functions with decimals.
6. Perform basic processes with metric, house hold, and apothecary systems.
7. Utilize ratio and proportion and/or dimensional analysis.
8. Perform percent calculations
9. Perform alligations.
10. Perform calculations related to day's supply.
11. Perform business math calculations (including taxes, discounts, cash counts, overhead, markup).
12. Perform calculations relating to reducing/enlarging and dilutions of solutions.
13. Discuss the basics of IV flow rates.
14. Identify which formula to be used for pediatric populations, including BSA, Fried's, Young's and Clark's rules.

General Education Learning Objective:

I. Communicate Effectively

1. Read and listen with comprehension.
2. Speak and write clearly using Standard English.
3. Interact cooperatively with others using both verbal and non-verbal means.
4. Demonstrate information processing through basic computer skills.

II. Think Critically

1. Make connections in learning across the disciplines and draw logical conclusions.
2. Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
3. Use mathematics to organize, analyze, and synthesize data to solve a problem.

III. Learn Independently

1. Use appropriate search strategies and resources to find, evaluate, and use information.
2. Make choices based upon awareness of ethics and differing perspectives/ideas.
3. Apply learning in academic, personal, and public situations.
4. Think creatively to develop new ideas, processes, or products.

IV. Examine Relationships in Diverse and Complex Environments

1. Recognize the relationship of the individual to human heritage and culture.

2. Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
3. Develop an awareness of self as an individual member of a multicultural global community.