

Hagerstown Community College

MASTER SYLLABUS

COURSE: PHR-112 Pharmacy Practice: Sterile Medication Preparation **DATE:** Fall, 2017

INSTRUCTOR:

COURSE DESCRIPTION: This advanced pharmacy technique course includes sterile technique and IV preparations, infection control, and safe handling of hazardous medications. Focus will be on understanding techniques used in both institutional and retail practice. Total of 30 hours of lecture and 45 hours of lab.

TEXTBOOK(S):

Davis, K. (2014). Sterile Processing for Pharmacy Technicians. St. Louis, Missouri: Elsevier Saunders. ISBN# 9781455711277.

Gahart, B.L., Nazareno, A.R., & Ortega, M.Q. (2017). Gahart's 2017 Intravenous Medications: A Handbook for Nurses and Health Professions, 34th ed., St. Louise, Missouri: Elsevier Mosby. ISBN# 9780323297400.

STUDENT LEARNING OUTCOMES: Upon successful completion of this course, students will be able to:

1. Demonstrate an understanding of terminology associated with the sterile medication preparation;
2. Interpret prescription/medication orders and fill/prepare for dispensing medications correctly;
3. Demonstrate proficiency in pharmacy calculations;
4. Prepare sterile compounded preparations using aseptic technique and good compounding practices including syringes, minibags, TPN, LVP and SVPs, elastomeric, and proprietary IV systems;
5. Describe how USP <797> relates to sterile compounding and best compounding practices;
6. Demonstrate an understanding of hazardous drug handling, preparation, dispensing and destruction;
7. Exhibit an understanding of medication delivery systems, including ambulatory and pole mounted pumps;
8. Describe the process of selecting the appropriate medications for sterile compounding;
9. Demonstrate the correct hand washing and gowning procedures;
10. Describe the procedures and operations relating to the compounding, packaging, and labeling of drugs, including hazardous medications;
11. Manipulate automated compounding devices (ACDs) such as TPN compounders and repeater pumps, in compounding;

12. Exhibit an understanding of the correct manipulation of electronic balances, hot plate/magnetic stirrers, and standard laboratory equipment; and
13. Explain and demonstrate the procedures and techniques relating to aseptic technique;
14. Demonstrate sanitation and maintenance techniques to ensure cleanliness in the pharmacy compounding areas.

MINIMUM CLOCK HOURS REQUIRED FOR THIS COURSE:

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework.

| | DIRECT Faculty Instruction In-class 75 hours required | Student Work Out of Classroom 150 hours required |
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| In-class “lecture” | 25 | |
| In-class “laboratory | 45 | |
| Reading Chapters | | 50 hours |
| Quizzes, Activities & Homework Assignments | Included in lecture time | 40 hours |
| Pharmacy Project | Included in lecture time | 20 hours |
| 4 lecture exams & 1 cumulative final exam | 5 hours | 20 hours |
| Lab Practical Evaluations | 5 hours | 20 hours |
| Total Hours | 75 hours | 150 hours |

SERVICES FOR STUDENTS WITH DISABILITIES: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.