

July, 2008 Summary of
Sterile Compounding Laboratory – PHAR 713 (1 semester credit hour)
Bernard J. Dunn School of Pharmacy • Shenandoah University
Winchester, VA 22601

Course Description

Sterile Compounding is a one-hour course that utilizes lectures and laboratory exercises to instruct students in sterile compounding technique and quality assurance.

Learning Goals

1. Describe the regulations and guidelines that apply to sterile compounding.
2. Describe and perform proper aseptic drug preparation and transfer techniques for injectable drugs and nutrients.
3. Perform calculations related to parenteral product preparation and administration.

Textbook

Buchanan EC and Schneider PJ. *Compounding Sterile Preparations*. 2nd ed. American Society of Health-System Pharmacists; 2005.

Course Grading

Attendance is mandatory.

Assessment	Percent of Final Grade
Self-study Exercise I	2.5 %
Self-study Exercise II	2.5 %
Practice Checklists	10 %
Practical Lab Assessment I	30 %
Practical Lab Assessment II	30 %
Written Final Assessment	25 %

Weekly List of Topics

Laboratory Introduction
Self-study Exercise I
Sterile Transfers Lab
Lab Open for Practice (entire week)
Reconstitution Lab
Lab Open for Practice (entire week)
Practical Laboratory Assessment I: Each student assigned a 15 minute time slot
Ampules Lab
Lab Open for Practice (entire week)

Chemotherapy and Hazardous Substances Manipulations Lab
Lab Open for Practice (entire week); Self-study Exercise II
Lab Open for Practice (entire week)
Written Laboratory Assessment
Practical Laboratory Assessment II: Each student assigned a 15 minute time slot