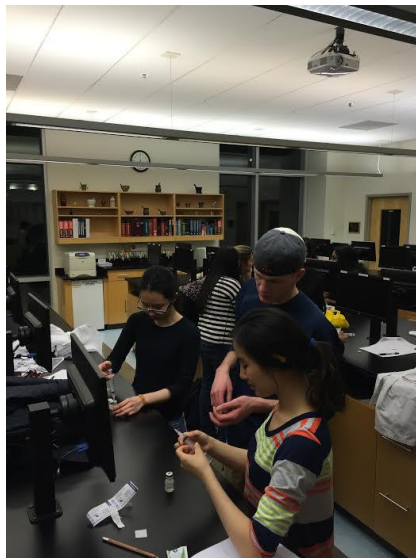


Sterile Compounding Workshop



Students attending the sterile compounding workshop in the lab.



MCPHS University – Boston

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How to Host a Sterile Compounding Workshop

Objective:

The aim of the Sterile Compounding Workshop is to provide pre-professional PharmD students at MCPHS University, with a glimpse of some key hospital pharmacy operations including, performing accurate calculations and aseptic technique. Another purpose of this workshop is to offer students experience in sterile compounding prior to their IPPE Institutional rotation and Hospital Pharmacy lab courses.

Plan:

The workshop was taught by upperclassmen and the ASHP-SSHP co-advisor, Dr. Paul Kiritsy, and which consisted of four 2-hour sessions. There were two components in each session: a classroom discussion and IV Room practice. All classroom discussions were related to USP Chapter <797>. At the first session the IV Room topic was “*Introduction to Sterility and Scrubbing Up*,” and the classroom discussion included introduction and personnel, and calculations with fractions, decimals, roman numerals, and percentages. The first session also includes a short quiz to assess baseline knowledge of the group. The second session, the IV Room topic was, “*Transferring of Solutions*,” and the classroom discussion covered environment, systems of measurement, and dosing. At the third session, the IV Room topic was, “*Reconstitutions and Ampoules*,” and the classroom discussion introduced products and concentrations/alligation calculations. At the fourth session, students were evaluated by taking the same assessment from the first session and encouraged to further practice the aseptic technique of their choice.

Outcome:

- Students were introduced to USP Chapter <797>.
- Students were introduced to and practiced aseptic technique.
- Students learned how to perform accurate calculations.
- Student interest and understanding of hospital pharmacy operations increased.
- Participants increased engagement and participation in the ASHP-SSHP chapter following the workshop.
- Upper-class students were able to prepare and deliver course instruction to students enhancing their teaching skills.

Resources:

- PowerPoint slides for each classroom discussion
- Workshop packet with instructions for each session
- Clean Room
- Classroom
- Sterile compounding supplies (e.g. masks, gowns, gloves, needles & syringes, vials and solutions)
- Approximate cost per student (\$12) was donated by the SOP