Phcy 421: Pharmaceutics and Calculations I

School of Pharmacy

This course is designed to teach those basic principles of physics and chemistry that are necessary to understand pharmaceutical active ingredients, dosage forms and their design. This course reviews basic arithmetic skills and fundamentals of pharmaceutical measurement. It also introduces basic pharmaceutical calculations encountered in the contemporary practice of pharmacy. This course is providing introduction to and continuous development of pharmacy practice skills and behaviors, emphasizing active learning for integration and application of curricular content and incremental development of professional and general abilities. The skills lab provides an understanding of various dosage forms and drug delivery systems, and how medicinal and pharmaceutical substances are incorporated into them. The dispensing and extemporaneous compounding of many of these agents will be practiced.

3 Credits

Prerequisites

- Pre-requisite: Pharmacy PY1

Instruction Type(s)

- Lecture/Lab: Lecture/Lab for Phcy 421

Subject Areas

- Pharmaceutical Marketing and Management

Related Areas

- Clinical and Industrial Drug Development (MS, PhD)
- Industrial and Physical Pharmacy and Cosmetic Sciences (MS, PhD)
- Medicinal and Pharmaceutical Chemistry
- Natural Products Chemistry and Pharmacognosy (MS, PhD)
- Pharmaceutical Sciences
- Pharmaceutics and Drug Design (MS, PhD)
- Pharmacoeconomics/Pharmaceutical Economics (MS, PhD)
- Pharmacy (PharmD - USA - PharmD, BS/BPharm - Canada)
- Pharmacy Administration and Pharmacy Policy and Regulatory Affairs (MS, PhD)
- Pharmacy, Pharmaceutical Sciences, and Administration, Other

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