

The Science of Pharmaceutical Compounding: Pharmacist Training™

Core Competencies

Self-study Program

To bring to the forefront of the mind of the pharmacist a newly found relevance to the practice of pharmacy through the practice of pharmacy compounding.

To bring to the forefront of the mind of the pharmacist a diverse and comprehensive definition of pharmaceutical compounding and an appreciation of the profound nature of the task upon which the pharmacist is preparing to embark in order to practice in a most responsible manner.

To relate specific biopharmaceutical and pharmacokinetic principles to the science of pharmaceutical compounding and sensitize the pharmacist to the need for consideration of these variables in the decision-making process.

To begin the integration process of combining physical and chemical properties of dosage forms with physiological characteristics associated with specific routes of delivery and their respective sites(s) of absorption that the pharmacist may give adequate consideration to these factors when compounding.

To associate characteristics of solutions and dispersions to the decision-making process in pharmaceutical compounding and realize their significance in formulating a qualitatively and quantitatively stable dosage form.

To be able to relate and associate excipients and their function(s) to delivery systems along routes of delivery involved in non-sterile compounding as a formulation skill required in the decision-making process for pharmaceutical compounding.

To categorize and systematize theoretical and practical applications and techniques, respectively for non-sterile dosage forms into solid, semi-solid and liquid states-of-matter in order further the pharmacists' understanding of formulation and preparation processes and procedures in pharmaceutical compounding.

To acquire the necessary mathematical skills that enables the pharmacist to accurately complete the formulation modification and preparation processes in pharmaceutical compounding in order that they may maintain the highest standard of practice possible void of error.

To begin to compile the elements of safety, efficacy, validity and reliability through the implementation of standard operating procedures in order that the pharmacists' skills become refined, consistent and guided in their pharmaceutical compounding practice.

To integrate appropriate regulatory guidelines and standard operating procedures into the pharmacists' pharmaceutical compounding practice so as to ensure quality in service, performance and product as they apply to the pharmacist, their employees, the medical community and patients alike.

To create a business development marketing plan employing specific fundamental concepts that will lead to the successful development of a pharmaceutical compounding practice giving the pharmacist a competitive edge in the industry.

To fully comprehend the implications and ramifications of the support of a reimbursement model for pharmaceutical compounding that is fair and equitable for all parties and will stand the test-of-time before

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Live Schedule - Office of Continuing Education - College of Pharmacy - University of Florida
a third party payer.

Live Program

To practically apply the components of a comprehensive decision-making model enabling the pharmacist to work in concert with the prescriber community and competently address issues related to product stability and suitability in a scientifically-based and consistent manner.

To practically apply the basic-to-advanced laboratory or preparatory techniques used in the extemporaneous preparation of non-sterile dosage forms of the solid, semi-solid and liquid states-of-matter with a specific focus on blends and mixtures (solutions and dispersions; emulsions and suspensions) for oral, rectal, vaginal, urethral, topical and transdermal routes of delivery.