**Introduction to Nonsterile Compounding** (1 hour)
0761-9999-19-222-H07-P
0761-9999-19-222-H07-T
- list elements pertaining to nonsterile compounding.
- explain the fundamental principles of USP Chapter <795>.
- describe the industry standards for USP Chapter <795>.
- define basic terms that apply to nonsterile compounding.
- recall basic terminology related to nonsterile compounding.

**Mathematics Review and Pharmaceutical Excipients** (1 hour)
0761-9999-19-223-H07-P
0761-9999-19-223-H07-T
- identify the correct formulas required to complete nonsterile compounding calculations.
- correctly solve mathematical calculations/equations that relate to nonsterile compounding.
- discuss pharmaceutical excipients used in nonsterile compounding.

**Responsibilities of the Compounder and Compounding Facility** (1 hour)
0761-9999-19-224-H07-P
0761-9999-19-224-H07-T
- identify the responsibilities of the compounder and the designated person per USP Chapter <795>.
- list the personnel qualifications identified by USP Chapter <795>.
- practice good hand hygiene and appropriate garbing and use of PPE.
- describe USP Chapter <795> requirements for nonsterile compounding facilities.
- properly list requirements for a clean compounding environment.
- explain basic ergonomics and how they apply to nonsterile compounding facilities and compounders.
- discuss requirements, resources and guidelines for preparing hazardous compounded nonsterile preparations (CNSPs).

**Component Selection, Receipt, Handling and Storage** (1 hour)
0761-9999-19-225-H07-P
0761-9999-19-225-H07-T
- define the requirements for component selection per USP Chapter <795>.
- describe the storage requirements per USP Chapter <795>.
- outline proper component handling activities.
- demonstrate the ability to read and understand a certificate of analysis (CoA).
- describe the requirements for receipt of component(s) as per USP Chapter <795>.
Nonsterile Compounding Equipment (1 hour)
0761-9999-19-226-H07-P
0761-9999-19-226-H07-T
  • define the requirements or the use of compounding equipment per USP Chapter <795>.
  • list the types of equipment and their basic function used in nonsterile compounding.
  • evaluate the cleaning schedule for nonsterile compounding equipment.

Nonsterile Compounding Process (1 hour)
0761-9999-19-227-H07-P
0761-9999-19-227-H07-T
  • distinguish between the different compounding methods of nonsterile compounds.
  • outline proper compounding techniques for each nonsterile dosage form.

Beyond-Use Dating (BUD) of Nonsterile Compounds (1 hour)
0761-9999-19-228-H07-P
0761-9999-19-228-H07-T
  • define basic terminology associated with beyond-use date.
  • review USP Chapter <1112> and how it affects BUDs for CNSPs.
  • define stability considerations for assigning BUDs.
  • assign BUDs to nonsterile pharmaceutical compounds per USP Chapter <795>.

Packaging and Documentation of Nonsterile Formulations (1 hour)
0761-9999-19-229-H07-P
0761-9999-19-229-H07-T
  • list the requirements for packaging and drug preparation containers.
  • describe the labeling process and requirements.
  • define the compounding nonsterile preparations (CNSPs) storage and handling process per USP Chapter <795>.
  • identify the elements required for proper development of master formulation records and compounding records.
  • implement meaningful use of safety data sheets (SDS).
  • develop comprehensive, detailed standard operating procedures (SOPs) for nonsterile compounding practice.
  • review the transportation guidelines of CNSPs per USP Chapter <795>.
Quality Control and Release Testing in a Nonsterile Compounding Practice (1 hour)

0761-9999-19-230-H07-P

0761-9999-19-230-H07-T

• list the methods for release inspection required in USP Chapter <795>.
• describe different quality systems per USP Chapter <795>.
• explain how to handle product complaints and adverse event reporting.
• define best practices for patient counseling of CNSPs.

Staff Training and Competency for Nonsterile Compounding (1 hour)

0761-9999-19-231-H07-P

0761-9999-19-231-H07-T

• describe required staff training for personnel performing nonsterile compounding per USP Chapter <795>.
• implement a program that ensures effective initial and ongoing training.
• review basic requirements for the training documentation per USP Chapter <795>.
• develop and implement procedural training and evaluation documents per USP Chapter <795>.

Nonsterile Compounding for Animals (1 hour)

0761-9999-19-232-H07-P

0761-9999-19-232-H07-T

• define the requirements for animal compounding per USP Chapter <795>.
• discuss the laws, regulatory requirements and conundrums associated with compounding animals.
• review responsibilities of the veterinarian.