

# VETERINARY COMPOUNDING A CUSTOMIZED APPROACH



## ACTIVITY SCHEDULE DAY 1

1 hour 30 minutes	<b>Section I: Challenges in Veterinary Pharmacy</b> <ul style="list-style-type: none"> <li>Within species differences in pharmacokinetic profiles, patient non-compliance, and limitations in drug availability. Learn how pharmaceutical compounding can positively impact the needs in veterinary pharmacy.</li> </ul>
1 hour	<b>Section II: Veterinary Compounding Regulations</b> <ul style="list-style-type: none"> <li>Discuss regulations and standards of practice specific to veterinary compounding.</li> </ul>
15 minutes	Break
1 hour 15 minutes	<b>Section III: Routes Of Administration And Dosage Forms</b> <ul style="list-style-type: none"> <li>Explore routes of administration (i.e., oral, transdermal, topical, rectal, otic, intranasal, and parenteral) and dosage forms common in veterinary medicine. Particular time will be spent on how to address the challenges of oral administration by introducing flavors and novel dosage forms (e.g., chewable treats).</li> </ul>
1 hour	Lunch
2 hours	<b>Section III: Routes Of Administration And Dosage Forms (Continued)</b>
15 minutes	Break
30 minutes	<b>Section IV: Excipients For Veterinary Compounding</b> <ul style="list-style-type: none"> <li>Review the functional use of various excipients. Special considerations pertaining to species-specific intolerances to certain excipients will be addressed.</li> </ul>
45 minutes	<b>Section V: Customizing Formulations, Resources &amp; References</b> <ul style="list-style-type: none"> <li>Explore commonly used or required references for day-to-day compounding, including USP Chapters, monographs, certificates of analysis, drug/excipient handbooks, and safety data sheets. Customize a formula based on a prescription, including selecting the appropriate ingredients, performing the necessary formulation calculations, and developing preparatory procedures needed to prepare the prescribed medication.</li> </ul>



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## ACTIVITY SCHEDULE DAY 2

15 minutes	<b>Section VI: Compounding For Veterinary Ocular Conditions</b> <ul style="list-style-type: none"><li>Explore common veterinary ocular conditions (e.g., canine keratoconjunctivitis sicca and equine corneal ulcerations). The complexity of ocular conditions and current limitations in available drug therapy will be examined.</li></ul>
15 minutes	<b>Section VII: Compounding For Veterinary Dermatological Conditions</b> <ul style="list-style-type: none"><li>Explore opportunities in topical medications, such as customized shampoos, for common veterinary dermatological conditions (e.g., canine atopic dermatitis).</li></ul>
15 minutes	<b>Section VIII: Compounding For Veterinary Neurological Conditions</b> <ul style="list-style-type: none"><li>Investigate common veterinary neurological conditions (e.g., feline and canine epilepsy). Considerations for limitations in currently available epileptic medications will be discussed.</li></ul>
15 minutes	<b>Section IX: Compounding For Veterinary Endocrine Conditions</b> <ul style="list-style-type: none"><li>Discuss opportunities in transdermal routes of delivery for common veterinary endocrine conditions (e.g., feline hyperthyroidism).</li></ul>
15 minutes	<b>Section X: Compounding For Veterinary Gastrointestinal Conditions</b> <ul style="list-style-type: none"><li>Explore common veterinary gastrointestinal conditions (e.g., canine diarrhea and feline gastroparesis), limitation in currently available medication, and opportunities for customization.</li></ul>
15 minutes	<b>Section XI: Compounding Opportunities For Veterinary Behavioral Conditions</b> <ul style="list-style-type: none"><li>Discuss customized medications for veterinary behavioral conditions (e.g., feline urine spraying and situational anxiety), including transdermal dosage forms and flavored suspensions.</li></ul>
45 minutes	<b>Section XII: Marketing</b> <ul style="list-style-type: none"><li>Take your compounding practice to the next level with these tricks and tips to enhance and optimize your marketing and business efforts surrounding veterinary compounding.</li></ul>
15 minutes	<b>Break</b>
1 hour 30 minutes	<b>Section XIII: Case Assessments</b> <ul style="list-style-type: none"><li>Put your knowledge to the test with case studies (canine, feline, equine, and avian) requiring appropriate diagnosis and recommended traditional and customized treatment plans.</li></ul>

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