



CALGARY AND DISTRICT BEEKEEPERS ASSOCIATION

COMPREHENSIVE COURSE ON BEE BIOLOGY AND MANAGEMENT

with DR. SCOTT DEBNAM

May 18th and 19th 9:00am-4:00pm (approx.)

Dive into the fascinating world of honeybees with our in-depth course designed for beekeepers eager to deepen their understanding of bee health and sustainable practices. This course offers a rich blend of theoretical knowledge and hands-on experience, covering critical aspects of bee anatomy and their associated health challenges:

Circulatory System: Learn about the intricate circulatory system of honeybees and the threats posed by varroa mites. Discover effective sampling techniques and management strategies to mitigate these risks and contribute to the sustainability of bee populations.

Respiratory System: Learn about the honeybee's respiratory system, including how bees adjust their breathing during various activities. Study tracheal mites' life cycle and impact and learn how to identify and manage these parasites.

Digestive System: Delve into the honeybee digestive system and explore the effects of Nosema on bee health. Develop skills in sampling and managing infestations and critically analyze the interactions between bees' digestive health and microbial symbionts.

Hands-on fieldwork will consolidate the knowledge and apply it in practical sessions:

Practical Apiary Techniques: Put theory into practice with sessions in the apiary, where you'll learn and apply methods like sugar shake and alcohol wash for varroa sampling, drone brood inspection, and Nosema sampling.

Microscopy and Disease Diagnosis: After a brief introduction to microscope operations, apply your skills to diagnose Nosema using samples from your bees. Understand how to prepare specimens, handle slides, and observe microscopic details effectively.

Foraging Ecology and Pollinator Observation: Explore honeybee foraging behaviours and their importance for ecosystem health. Learn field techniques for observing and counting pollinators and contribute to real-world conservation efforts through citizen science.

This course will educate and empower participants to make informed decisions in their beekeeping practices and advocate for pollinator-friendly environments. Join us and become a part of the solution to protect these vital creatures that play a crucial role in our ecosystem.

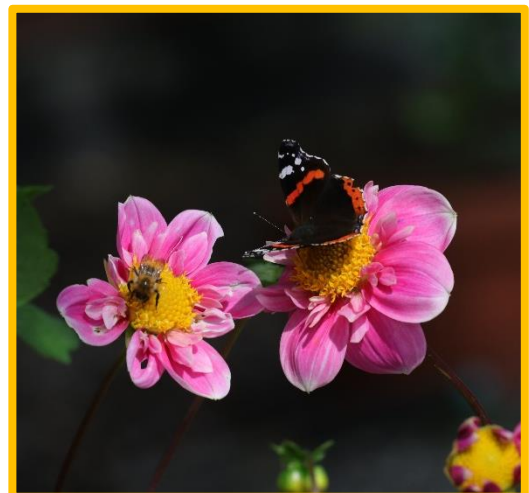


Image by Manfred Peter Lederer from Pixabay