



EXPLORING PRACTICAL GENOME EDITING IN ENTOMOLOGY

Spring 2026 (ENY6934) Asynchronous - 3 credits

COURSE DESCRIPTION

This course explores the biology, genetics, and control of vector-borne diseases and agricultural pests. Students will study insect biology, vector-pathogen interactions, gene structure, and genome editing techniques, with a focus on genetic manipulation for both vector control and pest management strategies, including population suppression and replacement. Through engaging in group discussions, project development, and student presentations, participants will develop a comprehensive understanding of insect control methods,

their real-world applications, and the ethical and social implications of using genetically modified organisms. Students will also design and critique control strategies, considering feasibility, safety, and environmental impacts.

For more information:

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COST: No cost, all materials will be provided!

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