

ENT890: TRITROPHIC INTERACTIONS

Theory and Practice

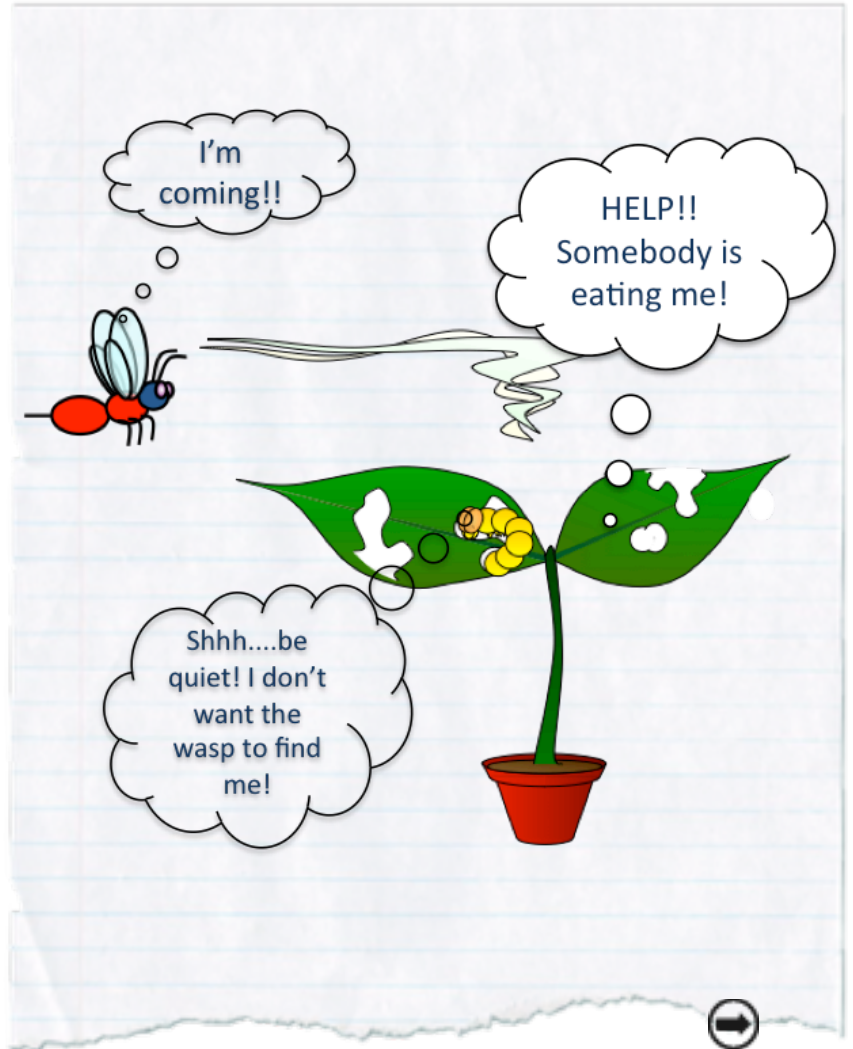
SPRING 2016, TIME AND PLACE TBA

**2 hrs lecture and 2 hrs
lab per week, 3 credits**

In this graduate class you will find out about interesting things, like:

- how and why plants talk to other organisms,
- how herbivores try to disguise their presence and,
- how parasitic wasps locate them anyway

We will examine the rapidly expanding field of tritrophic interactions between plants, herbivores and natural enemies through a combination of lecture, discussion and hands-on activities. You will learn both the theory of tritrophic interactions and chemical ecology as well as gain practice in experimental methods in this field. The laboratory sessions will include headspace collecting and analysis on GC/MS, Y-tube choice tests, etc. Familiarity with these methods will add new dimensions to your research capabilities and may **help you in your future career.**



CONTACT: Zsafia Szendrei at szendrei@msu.edu



Learn how to collect headspace from plants.



Prepare volatile baits for testing in a Y-tube olfactometer.



Participate in fun class activities.