## CSS 6140- WEED ECOLOGY & MANAGEMENT

**LECTURE/DISCUSSION SCHEDULE - SPRING 2015**

### JANUARY
22, Thu. Welcome, course objectives and assessment. T. DiTommaso.
29, Thu. Grower/stakeholder perceptions towards weed research & management. T. DiTommaso

### FEBRUARY
3, Tue. Basics of grant proposal writing. T. DiTommaso
5, Thu. Role of ecology in weed management – T. DiTommaso
10, Tue. **NO CLASS - Annual Meeting of the WSSA.**
12, Thu. **NO CLASS - Annual Meeting of the WSSA.**
17, Tue. **NO CLASS - FEBRUARY BREAK**
19, Thu. Use of demographic studies to inform weed biocontrol programs – L.R. Milbrath
24, Tue. Weed management within pasture systems – *Fay Benson*
26, Thu. Modeling of tillage effects on weed seed bank dynamics – *C.L. Mohler*

### MARCH
3, Tue. Cover crops as weed management tools – *M. Ryan*
5, Thu. Student discussion: Breeding for weed suppressive ability – Billie Guilliatt
10 Tue. Student discussion: Applications of site-specific weed management– Rachel Breslauer
12, Thu. Climate Change – Implications for weed invasion and evolution – T. DiTommaso
17, Thu. Student discussion: Reduced tillage vegetable systems – Nate August
19, Thu. Student discussion: – Florian Stoeckl
24, Tue. Student discussion: Managing weed-crop competition with fertility– Margaret Ball
26, Thu. Student discussion: Ecology and control of barbed goatgrass – Kristy Perano
31, Tue. **NO CLASS - SPRING BREAK**

### APRIL
2, Thu. **NO CLASS - SPRING BREAK**
7, Tue. Student discussion: Cover crop-based, organic, rotational no-till – Jeff Liebert
9, Thu. Management of herbicide-resistant weeds –industry perspective *K. Burnell.*
14, Tue. Role of weeds in tritrophic interactions in cropping systems. *J.E. Losey.*
16, Thu. Organic cropping systems projects – weed management lessons learned – B. Caldwell
21, Tue. Use of metagenomics to advance weed management – *J. Kao-Kniffin*
23, Thu. Automation: The future of weed control in cropping systems – *Steve L. Young*
28, Tue. Class review of grant proposal/manuscripts
30, Thu. Class review of grant proposals/manuscripts

### MAY
5, Tue. Class review of grant proposals/manuscripts

**Final Oral Exam. Individual meeting dates and times TBA.**

Proposals/Manuscripts are DUE on Tuesday, April 7.

CLASS MEETS: TUESDAYS & THURSDAYS 10:10 - 11:25 AM - 133 Emerson Hall