

Syllabus

EEB 414 - Plant Anatomy and Development

Fall semester 2013

Discussion leader: Dr. Joe Williams

Office: Hesler 341; Telephone: 974-6202

Thursdays 3:30 – 5:30 pm

Hesler 202

Assignments are on Blackboard under Course Materials

No.	Date	Day	Subject
	Aug. 21	Wed	<i>Introduction</i> – course organization – First assignment
1.	Sept. 5	Thur.	<i>Inbreeding and outbreeding</i> – Grant 1958; Wright, Kalisz and Slotte 2013
2.	Sept. 12	Thur.	<i>Mating systems and breeding systems</i> – Cruden 1977; Michalski and Durka 2009; Wright et al. 2012
3.	Sept. 26	Thur.	<i>Co-evolution of flower and pollinator form</i> – Kritsky 2001; Arditti et al. 2012; Van der Niet and Johnson 2012
4.	Oct. 10	Thur.	<i>Pollen limitation</i> – Burd 1994; Friedman and Barrett 2007
5.	Oct. 24	Thur.	<i>Pollen competition</i> – Mulcahy 1986; Natalis and Wesselingh 2012
6.	Nov. 7	Thur.	<i>Gametophytes, double fertilization and the evolution of endosperm</i> – Sargent 1900; Wu et al. 2013
7.	Nov. 21	Thur.	<i>Seed ecology and sporophyte evolution</i> – Stebbins 1976; Moles et al. 2005; Rees and Venable 2007; Sims 2013

Expectations:

I expect everyone to contribute to discussion each week. All the papers are already posted on Blackboard, so there is plenty of time to read each and every paper. For each topic, the first, background paper will be lead by all, with a short intro by me. There will be at least one discussion leader for the *second* paper. Discussion leaders please copy relevant figures/tables etc. to a Powerpoint presentation. Please choose topics on the Blackboard discussion board, so that everyone knows who wants what, and you all get it worked out by the Sept. 5 class. Finally, I will expect some discussion of the topics before and after each session on the Blackboard Discussion Board (the price for shortening the class by half an hour). The discussion could be putting up a question, throwing out an observation, responding to something that was said during class, or stating something you don't understand. Please do not miss any of the few classes we will have.

Missing a *single class* will lower your grade to a B at best, and more than one class ... (unmentionable!).