

**Plant Reproductive Ecology - Fall 2005**  
**Syllabus - Subject to Modification**

Instructor: Mitch Cruzan  
 SB1 Room 404  
 5-8391

Text: Plant Breeding Systems, Second Edition  
 A.J. Richards (out of print)\*  
 \*Supplemental readings will be provided.

<b>Week</b>	<b>Topics</b>	<b>Readings</b>	<b>Lab</b>
Sept 26	Introduction Floral morphology Pollination syndromes	1 4 *Discussion paper	Flower anatomy
Oct 3	Sexual reproduction Sex theory Meet at field site	2 2 *Discussion paper	Field trip!
Oct 10	Selfing and outcrossing Selfing and inbreeding Mating system estimation	9 9 *Discussion paper	Pollen germination <b>Take-Home Exam I</b>
Oct 17	Pollination - Floral morphology Pollination - Behavior Pollination - Pollinators	5 5 *Discussion paper	Pollen tube growth I
Oct 24	Pollen development Pollen germination/growth Pollen tube growth/fertilization	3 3 *Discussion paper	Pollen tube growth II <b>**Annotated bibliography due</b>
Oct 31	Self Incompatibility Pollen-style interactions Ovule development/abortion	6 6 *Discussion paper	Ovule fertilization/development <b>Take-Home Exam II</b>
Nov 7	Sexual selection Heteromorphic systems no class	2 7	No lab - Holiday
Nov 14	Dicliny Seeds and fruits Seed dispersal	8 *handout *Discussion paper	Seed germination
Nov 21	Seed germination no class no class	*handout	No lab - Holiday <b>**First draft term paper due.</b>
Nov 28	Asexual reproduction Conservation biology Review and discussion	10 *handout	No lab

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**\*\*\*\* FINAL TAKE-HOME EXAM IS DUE THURSDAY, DECEMBER 8: 12:30 PM \*\*\*\***

\*Handout = there may be supplemental reading provided for this topic.