

University of Montana

## ScholarWorks at University of Montana

---

Syllabi

Course Syllabi

---

Fall 9-1-2001

### BIOL 495.01: Advanced Plant Biology

William Good

*The University Of Montana*

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi>

**Let us know how access to this document benefits you.**

---

#### Recommended Citation

Good, William, "BIOL 495.01: Advanced Plant Biology" (2001). *Syllabi*. 5373.

<https://scholarworks.umt.edu/syllabi/5373>

This Syllabus is brought to you for free and open access by the Course Syllabi at ScholarWorks at University of Montana. It has been accepted for inclusion in Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact [scholarworks@mso.umt.edu](mailto:scholarworks@mso.umt.edu).

**Syllabus****Biology 495 Advanced Plant Biology****Fall 2001**

Topic: Population Biology of Plants

Instructor: Bill Good

Email [billgood@bitterroot.net](mailto:billgood@bitterroot.net)

Home phone 777-3426 Messages 243-5122 Office Hours by appointment

Text to be determined

Reserve Readings to be determined

## Grading

	<b>POINTS</b>	<b>DATE</b>
EXAM 1	25	OCT 3
EXAM 2	25	NOV 2
STUDENT PRESENTATION	10	NOV30- DEC 7
PROBLEM SETS	10	TBA
FINAL EXAM (comprehensive)	30	DEC 21, 8-10 am

Objectives: The course will cover traditional subjects in plant population biology with reference to current and relevant past research. Students should learn basic natural history of plant populations, how plant life histories are similar to and different from animal populations, how plants interact with conspecifics, other plant species, pathogens and animals, and methods for studying plant populations.

## Lecture Schedule (Tentative)

<b>Date</b>	<b>Subject</b>
Sept 5, 7	History of population biology, early models, r and K
Sept 10, 12, 14	Seed dispersal, seed bank, dormant phases
Sept 17, 19, 21	Seedlings, density effects,
Sept 24, 26, 28, Oct 1	Mixed species effects, allelopathy
Oct 3	Exam 1
Oct 5, 8,10,12	Herbivore effects
Oct 15,17,19	Pathogens
Oct 22, 24, 26	Biological Control
Oct 29, 31	Annuals, biennials, woody plants
Nov. 2	Exam 2
Nov 5, 7, 9	Seed production strategies
Nov 14, 16, 19	Reproduction and Life History strategies
Nov 26, 28,	Community diversity, predators, succession
Nov 30, Dec 3,5,7	Student Presentations
Dec 10, 12, 14	Evolution of plant communities, current literature
Dec. 21 (8am-10am)	Final Exam

Other dates:

Sept 24, last day to add/drop by DIAL BEAR or Cyberbear; last day to pay fees, finalize late registration

Oct 15, last day to drop the course with advisor's signature