

AECL 3030 Syllabus & Helpful Notes - Fall 2010

- Course:** AECL 3030 - Ecology of Plant Protection
- Text:** Syllabus, lecture handouts and classroom notes
- Instructors:** Gary Franc and David Legg
- Time & Place:** Lecture will be MWF 10:00-10:50 AM in Ag-C 4041. **Attendance is required because quizzes are not announced and handouts are usually at the start of each class period. It is extremely difficult to “catch up.”**
- Examination:** There are four (4) lecture exams, with the 4th exam given during finals week on Friday Dec 10 (10:15 AM-12:15 PM). Exams are each worth 100 points for a total of 400 points. Exams mostly cover new material presented after the prior exam. In addition, six (6) “surprise” quizzes (20 points each, drop the lowest) are given during class during the semester. **We highly advised you to review your notes from the previous lecture before the start of each class period!**
- Grading:** A = 91-100 **Note:** 90.5 = 91, 90.49 = 90, etc.
B = 81-90 **NO EXCEPTIONS**
C = 71-80
D = 60-70
F = below 60
Final grades are determined by dividing the total points earned by the total points possible (500), and multiplying by 100 (percent). This calculation also enables computing your current grade during the semester.
- Cheating:** Please read the University Regulations. Cheating and/or plagiarism is not tolerated. Violators will be expelled from the class with an F and violations will be reported to advisors and the College Dean.
- Attendance:** Lecture starts at 10:00 AM sharp. Being late or skipping class will hurt your grade, especially if it happens on a day when a quiz is given! Makeup exams or quizzes will be given only with an University-approved absence or under special hardships that require our **prior** approval.
- Instructors:**
- | <u>Offices</u> | <u>Office Hours:</u> | <u>Phone:</u> |
|--|--------------------------------|---------------|
| Franc (francg@uwyo.edu) 4033 Ag C | M & W, 9-10 AM | 766-2397 |
| | | FAX 766-5549 |
| Legg (dlegg@uwyo.edu) 64 Ag A | M 4-5 PM; W 2-3 PM; Th 11AM-12 | 766-3369 |

It is most efficient to contact G. Franc by email if you have questions.

Fall 2010: AECL 3030 Lecture Schedule
10:00 AM - 10:50 AM
Ag-C 4041 (Agriculture)

DATE	TOPIC	INSTRUCTOR
Aug 23	Introduction: weeds, insects and plant diseases	Franc/Legg/Kniss
	CO-DEVELOPMENT/EVOLUTION	
25	Organisms and the environment	Franc
27	Principles of host pest interactions	Franc
30	Principles of host pest interactions	Franc
Sep 01	Plant/disease/insect interactions	Legg
03	Genetic plasticity of agroecosystems	Legg
06	Labor Day - No Class	
	ECOLOGY/SPREAD/EPIDEMIOLOGY	
08	Population dynamics - disease	Franc
10	Plant disease - ecology	Franc
13	Population dynamics - insects	Legg
15	Insect pest ecology	Legg
17	Population dynamics - weeds	Kniss
20	Weed ecology	Kniss
22	Exam #1	
	POPULATION ASSESSMENT/ECONOMIC DECISIONS	
24	Estimated crop losses - all pests	Legg
27	Sampling and surveillance	Legg
29	Economic decision levels - insects	Legg
Oct 01	Economic decision levels - weeds	Legg
04	Economic decision levels - diseases	Franc
06	Decision making utilizing economic decision levels	Legg
	PEST MANAGEMENT THEORY AND PRACTICE	
08	Principles of pest management	Franc
11	Principles of pest management	Franc
13	Tillage effects on pests	Franc
15	Conservation tillage systems	Franc
18	Exam #2	
20	Host plant resistance	Franc
22	Host plant resistance	Franc
25	Major types of pesticides	Franc
27	Pesticide application techniques	Kniss
29	Biological control - weeds	Collier
Nov 01	Biological control - insects	Legg
03	Biological control - diseases	Franc
05	Biotechnology as a pest management tool	Franc
08	Ecological management of pests	Franc
10	Alternative control strategies "dirty tricks" for insects	Legg

DATE	TOPIC	INSTRUCTOR
12	Exam #3	
	AGROECOSYSTEM INTEGRATION/PEST MANAGEMENT ISSUES	
15	Pesticides and the Food Quality Protection Act	Franc
17	Fate of pesticides in the environment	Franc/Video
19	Resistance to pesticides	Franc
22	IPM Strategies	Legg
24-26	THANKSGIVING BREAK - NO CLASS	Eat turkey
29	IPM Strategies	Legg
Dec 01	Management of fertility and pests in an operating commercial vegetable farming operation	Grant
03	Future trends in pest management	Franc
06-10	FINALS WEEK	
DEC 10	FINAL EXAM 10:15AM-12:15PM	