Syllabus, Entomology 1000/1001 – Fall 2011

Instructor: David Legg
Instructor's office: 64 Agriculture (room numbers are on the floor!)
Instructor's office hours: Mondays 4:00 to 5:00, Wednesdays 2:00 to 3:00, Thursdays 11:00 to 12:00; *elsewise by appointment*.
Instructor's telephone number: 766–3369
Instructor's e-mail address: DLEGG@uwyo.edu (*best way to catch instructor!*)

Meeting place: ENTO 1000, 1001 lecture: 2018 Agriculture
Meeting place: ENTO 1001 laboratory: 4022 Agriculture

Meeting time: ENTO 1000, 1001 lecture: MWF, 1:10 to 2:00
ENTO 1001 laboratory, **Monday** afternoons: 2:10 to 4:00
ENTO 1001 laboratory, **Tuesday** afternoons: 1:10 to 3:00

Instructor's request: *Please turn off phones upon entering class. Thank you!*

Texts: Students enrolled in ENTO 1001: *Insect Biology Laboratory Manual*, by James K. Wangberg - ***required***

Exams: There will be three, in–class exams:
Exam 1: (50 minutes) ***100 points possible***
Exam 2: (50 minutes) ***100 points possible***
Exam 3: (Final; will be held on Monday, 5 December, from 1:15 to 3:15 Agriculture 2018) ***100 points possible***

Minimum points needed to attain a specific grade:

	ENTO 1000	ENTO 1001	
Grade: A =	270	360	(90% or more of points)
B =	240	320	(from 80 up to 90% of points)
C =	210	280	(from 70 up to 80 % of points)
D =	180	240	(from 60 up to 70% of points)
F =	<180	<240	(less than 60% of points)

Note: *no rounding of percentages will be done.*
Note: *no exceptions to above scale will be made.*

Exam copy: One copy of a past exam (examination #1) will be made available for your perusal at the following URL: http://w3.uwyo.edu/~dlegg/dlegg.htm. The link to that exam is under Teaching Responsibilities and Interests…Courses that I have Taught, Insect Biology; click on *one examination*.

Cheating: Neither cheating nor plagiarism will be tolerated. Students caught doing either will be assigned the grade of '**F**', following the procedures of UW Regulation 6-802 (http://www.uwyo.edu/generalcounselsupport/clean%20uw%20regulations/UW%20Reg%206-802.pdf).

Attendance: You are expected to be in room 2018 at 1:10 on lecture days. Students enrolled in ENTO 1001 are expected to be in room 4022 at the beginning of the required time for your laboratory. **PLEASE NOTE: missing class will likely hurt your grade.**

Students will be allowed to make up examinations ONLY with University authorized absences (per UW Regulation 6-713). *University authorized absences may be obtained at the Office of Student Life, 128 Knight Hall.*

Students who miss class, *and have a University-authorized absence*, may request lecture materials from the instructor. Students who miss class, and do not have a University-authorized absence, may not request lecture materials from the instructor.

Students who miss class because of illness, *and have a University–authorized absence for the illness*, may request lecture materials from the instructor. Students who miss class because of illness, and do not have a University–authorized absence for the illness, may not request lecture materials from the instructor.

Lectures: Students will be held responsible for all material presented in lectures.

Goals for the course:

1) Have students understand the fundamentals of insect structure, function, development, and reproduction.
2) Have students be able to identify insects to their proper order.
3) Have students understand how insects communicate with one another.
4) Have students understand the fundamental relationships between insects and plants.
5) Have students understand the fundamental relationships between insects and some other animals.
6) Have students understand the fundamental role that insect populations play in ecological communities.
7) Have students understand the importance of insects in protecting and destroying our food and fiber crops, as well as affecting human and livestock health.
8) Have students understand the fundamentals of integrated pest management.

Lecture Schedule

Month	Day	Lecture #	Lecture topic
August	22	1	Introduction to and history of entomology
August	24	2	Origin of insect species
August	26	3	Insect diversity/classification
August	29	4	Insect diversity/classification
August	31	5	Insect diversity/classification
September	2	6	Insect diversity/classification
September	5	–	Labor Day holiday – *classes excused* –
September	7	7	Insect diversity/classification
September	9	8	Insect diversity/classification
September	12	9	Insect diversity/classification
September	14	10	Integument/respiratory system/scientific method
September	16	11	Circulatory system/feeding/digestion/absorption
September	19	12	Reproduction and development/Insect communications
September	21	13	Insect communications
September	23	14	Insect nervous system/vision/sensory organs
September	26	–	**FIRST HOURLY EXAM** (*lectures 1 through 14*)
September	28	15	Insect behavior
September	30	16	Insect behavior/social behavior
October	3	17	Social behavior
October	5	18	Social behavior
October	7	19	Social behavior
October	10	20	Social behavior
October	12	21	Insects as food and their defenses against being eaten
October	14	22	Insects as food and their defenses against being eaten
October	17	23	Insect population dynamics
October	19	24	Insect population dynamics
October	21	25	Insect population dynamics
October	24	26	Insect population dynamics
October	26	27	Communities and ecosystems
October	28	28	Insect/Plant interactions: phytophagous insects
October	31	–	**SECOND HOURLY EXAM** (*lectures 15 through 27*)

Month	Day	Lecture #	Lecture topic
November	2	29	Insect/Plant interactions: phytophagous insects
November	4	30	Insect/Plant interactions: phytophagous insects
November	7	31	Insect/Plant interactions: phytophagous insects/plant defenses against being eaten
November	9	32	Insect/Plant interactions: plant defenses against being eaten
November	11	33	Insect/Plant interactions: plant defenses against being eaten
November	14	34	Entomophagous predators and parasitoids
November	16	35	Entomophagous predators and parasitoids
November	18	36	Blood feeders and scavengers
November	21	37	Blood feeders and scavengers
November	23	–	Thanksgiving Holiday – *classes excused* –
November	25	–	Thanksgiving Holiday – *classes excused* –
November	28	38	Blood feeders and scavengers
November	30	39	Integrated pest management
December	2	40	Integrated pest management
December	5	–	**FINAL EXAMINATION 1:15 – 3:15 Agriculture 2018.** The final exam will EITHER be comprehensive or will cover lectures 28 through 40 only (more on that towards the end of the semester).

Special Notice: Biological Science (SB)

This course fulfills the Biological Science (SB) component of the 2003 University Studies Program. SB courses include basic and applied study of fundamental principles of biology, including cell structure and function, genetics, ecology, evolution, and organismal biology. These courses may also include applications of biological principles to societal issues such as land use, biodiversity, population and global environmental change, biotechnology, human wellness and disease. They introduce the scientific approach, its scope and limitations. They provide a term-long laboratory experience (or equivalent substantial experimental work integrated with the lecture).