

Principles of Biology II
Biology 1722.001- Spring 2008

Instructors: Pudur Jagadeeswaran (359 Biology; Tel: 565-3601; E-mail: Jag@unt.edu)

Office hours: Mondays, Wednesdays and Fridays 9:00-10:00 AM

Jyoti Shah (124 Science and Research Building; Tel: 565-3535; E-mail: shah@unt.edu)

Office hours: Tuesdays 10:00- 11:00 AM; Thursdays 11:00 AM-noon

Marie L. King (272 EESAT; Tel: 369-8651; E-mail: mlk0029@unt.edu;

Office hours: by appointment

Lecture Hours and Place: Class: MWF 8:00 to 8:50 AM (BIOLOGY 117)

Objectives: This course is designed for science majors who are interested in general biology. We will emphasize both plant and animal biology, and ecology, during this semester. The intent of the course is to provide a strong background that will allow you to take higher-level courses in the life sciences.

Website: <http://webctvista.unt.edu> is the official web site of the course, and you are required to check it regularly. It will contain updates to the syllabus, pdf files of the figures used in class, and other official communications as necessary.

Required Text: Raven, P.H., Johnson, G.B., Losos, J.B., Mason, K.A., and Singer, S.R. 2008. Biology 8th Edition. McGraw Hill. Students are expected to read the textbook.

Grading: You will take four non-comprehensive examinations during the semester (the fourth is during exam week). Each exam will be worth 100 points. No exam grades will be dropped from the calculation of the final grade. Exams may include materials from the lectures and required textbook. Grades will be assigned according to the point break down listed below:

<u>Grade</u>	<u>Total Points</u>
A	360 to 400
B	320 to 359
C	280 to 319
D	240 to 279
F	Below 239

Make-Up Exams: Exams may only be missed under extenuating circumstances, and must be accompanied by evidence of those circumstances. Make-up exams must be arranged as soon as possible after the missed exam, including the final. Incompletes will only be assigned under extenuating circumstances when a student has a C average or above on the exams taken to date.

Cheating Policy: All exams are to be taken independently. No student will be admitted twenty minutes after the start of an exam and no student may leave during the first thirty minutes of the exam. All notes, books, computers, phones, etc., must be stowed during the exam. Cheating in any form will not be tolerated. Students caught cheating will receive a zero for that grade opportunity and a note will be placed in their permanent file. If caught cheating twice they will be permanently removed from the course.

Attendance: Attending lectures is required. Lecturers may deviate from the textbook and from material made available on WebCTVista as they see fit. It is difficult to process all the information presented in lectures and the textbook unless you get it "first hand." We cannot stress enough the importance of attending, paying attention, and taking notes during class. Historically we have found that students who do not attend class do poorly.

Etiquette: We need to work together to ensure a high quality teaching and learning environment. Disruptive and inconsiderate activities negatively affect the entire class, and include talking, coming in late, leaving class for non-essential reasons, using cell phones, and general inattentive behavior.

Laboratory: You must enroll in a laboratory section of Biology 1740 to obtain credit for a laboratory science.

Office Hours: We will have regular office hours during the semester. Please feel free to contact us if you have any difficulties or need further explanation of the material. We are also available by appointment if you are unable to make office hours. **Take advantage of our office hours, we are here to help you learn.**

Disabilities: The Department of Biological Sciences complies with the Americans with Disabilities Act in making reasonable accommodation for qualified students with disabilities. If you have a qualifying disability as defined in the ADA and would like to request accommodation, please see the instructor by the 12th class day.

**BIOL 1722.001 - PRINCIPLES OF BIOLOGY II
SPRING 2008**

**Lecturers: Jagadeeswaran, Jyoti Shah and Marie King
Schedule may change without notice**

Wk	Day	Date	Topic	Chapter Reading	Instructor
1	M	January 14	Animal Diversity	32-35	Jagadeeswaran
	W	January 16	Animal Diversity	32-35	Jagadeeswaran
	F	January 18	Animal Body and Muscle Function	43,47	Jagadeeswaran
2	W	January 23	Animal Body and Muscle Function	43,47	Jagadeeswaran
	F	January 25	Fueling Body Activities: Digestion	48	Jagadeeswaran
3	M	January 28	Fueling Body Activities: Digestion	48	Jagadeeswaran
	W	January 30	Circulation	49	Jagadeeswaran
	F	February 1	Circulation	49	Jagadeeswaran
4	M	February 4	Respiration	49	Jagadeeswaran
	W	February 6	Maintaining the Internal environment	50	Jagadeeswaran
	F	February 8	Kidney	50	Jagadeeswaran
5	M	February 11	Review		Jagadeeswaran
	W	February 13	Exam 1		
	F	February 15	Endocrine System	46	Jagadeeswaran
6	M	February 18	Sex and Reproduction	52	Jagadeeswaran
	W	February 20	Vertebrate Development	53	Jagadeeswaran
	F	February 22	Vertebrate Development	53	Jagadeeswaran
7	M	February 25	Nervous system	44	Jagadeeswaran
	W	February 27	Nervous system	44	Jagadeeswaran
	F	February 29	Sensory System	45	Jagadeeswaran
8	M	March 3	Immune system	51	Jagadeeswaran
	W	March 5	Review		Jagadeeswaran
	F	March 7	Exam 2		
			Lecturer Transition		
9	M	March 10	Systematics and Phylogenetics	23	Shah
	W	March 12	Viruses and Prokaryotes	27, 28	Shah
	F	March 14	Protists and Fungi	29, 31	Shah
10		March 17-21	Spring Break		
11	M	March 24	Plant Diversity	30	Shah
	W	March 26	Plant Form	36	Shah
	F	March 28	Plant Development	37, 42	Shah
12	M	March 31	Plant Development	37, 42	Shah
	W	April 2	Plant Development	37, 42	Shah
	F	April 4	Plant Nutrition and Transport	38, 39	Shah
13	M	April 7	Plant defense and sensory systems	40, 41	Shah
	W	April 9	Review		Shah
	F	April 11	Exam 3		Shah
			Lecturer Transition		
14	M	April 14	Behavioral Biology	54	King
	W	April 16	Behavioral Biology/Population Ecology	54/55	King
	F	April 18	Population Ecology	55	King
15	M	April 21	Community Ecology	56	King
	W	April 23	Ecology/Ecosystems	56/57	King
	F	April 25	Ecosystems	57	King
16	M	April 28	Biosphere	58	King
	W	April 30	Conservation Biology	59	King
	F	May 2	UNT mandated review day		King
17	F	May 9	Final Exam (8:00 – 10:00 AM)		

FEBRUARY 22, LAST DAY TO DROP COURSE WITH AN AUTOMATIC "W"

MARCH 25, LAST DAY TO DROP COURSE WITH A "W" OR "WF"