

BIO 2313.002: Genetics. Fall 2007

Tues & Thurs: 9:30-10:45 am BB. 2.01.18

Textbook: Genetics: A Conceptual Approach, 2nd Ed.

Instructor: Dr. G. Sunter. 458-5479

Office Hours: By appointment

Benjamin Pierce

Lecture Outline:

Day/Date	Subject	Chapter
Thurs. 08/23	Introduction	1
Tues. 08/28	Chromosomes and Cellular Reproduction	2
Thurs. 08/30	Basic Principles of Heredity	3
Tues. 09/04	Sex Determination and Sex-Linked Characteristics	4
Thurs. 09/06	FIRST MID-TERM EXAM	
Fri. 09/07	Last Day to drop or withdraw without a grade	
Tues. 09/11	Modifications of Mendel	5
Thurs. 09/13	Linkage/Recombination	7
Tues. 09/18	Bacterial/Viral Genetics	8
Thurs. 09/20	Chromosome Variation	9
Tues. 09/25	SECOND MID-TERM EXAM	
Thurs. 09/27	DNA	10
Tues. 10/02	Chromosome Structure	11
Thurs. 10/04	DNA Replication	12
Tues. 10/09	Transcription	13
Thurs. 10/11	RNA and RNA Processing	14
Tues. 10/16	Genetic Code/Translation	15
Thurs. 10/18	Control of Gene Expression	16
Tues. 10/23	THIRD MID-TERM EXAM	
Tues. 10/23	Last Day to drop and receive a grade of "W"	
Thurs. 10/25	Gene Mutations and DNA Repair	17
Tues. 10/30	Recombinant DNA Technology	18
Thurs. 11/01	Genomics	19
Tues. 11/06	Organelle DNA	20
Thurs. 11/08	Course Survey	
Tues. 11/13	FOURTH MID-TERM EXAM	
Thurs. 11/15	Development/Cancer Genetics	21
Tues. 11/20	Quantitative Genetics	22

Thurs. 11/22 **THANKSGIVING** **NO CLASS**

Tues. 11/27 Population Genetics

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Thurs. 11/29 Review Class

Tues. 12/03 **STUDY DAY** **NO CLASS**

Mon. Dec 13 **FINAL EXAM** **10:30am – 1:15pm**

Testing and Grades:

There will be four (4) mid-term exams and the lowest exam grade will be dropped. The three (3) remaining exams will provide 60% of the final grade with a comprehensive final providing the remaining 40%. **There will be no make-up examinations. If you miss a mid-term exam, all remaining grades will be used.**

If the final exam is missed, arrangements should be made with the instructor with the proper Documentation, PRIOR TO THE FINAL EXAM TIME.

Each mid-Term exam: 60 points each
The best three exam scores will be counted toward the final grade
(Total points = 180)

Final exam: Cumulative: 120 points.

QUIZZES WILL BE GIVEN AT RANDOM AND CREDIT WILL ONLY BE GIVEN TO THOSE STUDENTS IN CLASS AT THE TIME THE QUIZ IS GIVEN. POINTS EARNED ON QUIZZES IS EXTRA CREDIT AND CANNOT BE MADE UP. There are no additional extra credit assignments.

Each student will be expected to have a clean, unwrinkled Parscore 8000 form and a #2 pencil for each examination. Your UTSA ID number is required to be on each form as well as the form letter of the examination if required. Omission of required information will result in an automatic zero. Exam material will be drawn from lectures, assigned reading and assigned problems. Students should read and review the assigned material before the corresponding class lecture. There are recommended problems from the book, but none will be turned in or graded.

Attendance & Conduct:

You are expected to attend all classes and to read the required chapters in the textbook prior to class. During examinations, all headgear, calculators, PDAs, sunglasses/shades and other materials are to be stored. Cheating on examinations will not be tolerated.

Late arrivals and early departures should be limited. If you must arrive late or leave early, please do so as quietly and unobtrusively as possible. Cell phones and pagers are to be turned off during class. Students are responsible for being sure they are properly registered and carrying out the necessary paperwork if they drop or withdraw from the class. The instructor will not drop students who fail to attend class or lecture.

Academic Dishonesty:

Academic or scholastic dishonesty will not be tolerated and includes, but is not limited to:L

1. Cheating on a test or other class work
2. Plagiarism, which is defined as appropriation of another's work and the unauthorized incorporation of that work in one's own written work offered for credit
3. Collusion, which is the unauthorized collaboration with another person the preparing college work offered for credit.