Syllabus Genetics Biol. 3451  
MWF 9:00-9:50  
Room Biol. 117

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OFFICE HOURS: Monday and Wednesday 10:00-11:30 AM.


PREREQUISITE: FRESHMAN BIOLOGY. CONCURRENTLY ENROLLED IN OR CREDIT FOR ONE SEMESTER OF ORGANIC CHEMISTRY.

Course Information on eCampus Site: https://ecampus.unt.edu/webct/entryPage.dowebct
Supplementary information for the lectures (powerpoint files, web links etc.) will be on eCampus website. The web information is not a substitution for class attendance. Extra information, problem solving, extra credit, and guidance/hints for exams will only be presented in the lectures. Notes to students regarding class will also be posted on the eCampus website.

GRADES: Grades are based on 3 Exams (100 points each) and 1 Final Exam (200 points). The final exam is cumulative. Exam Format: Multiple Choice, Short Answer. Typically, it will take at least 1 week to return graded exams. Exam grades will be posted on eCampus website. Incomplete (I) Grade: Do not ask for an “Incomplete” grade- unless you have a MAJOR life event that does not allow you to attend school. I will only give an incomplete grade under extraordinary circumstances. Please refer to the new UNT policy regarding incomplete grades. No makeup exams, I do not give makeup exams. However, if you have a major illness, car accident etc. and provide me with the necessary documents to verify such you may have the final exam grade replace your missed exam. You must discuss this with me immediately after you miss an exam. It is NOT in your best interest to miss an exam, since the final exam is much more difficult.

REVIEW QUESTIONS: Review questions will be posted on website periodically to help students study material.

EXTRA CREDIT: Extra credit possibilities will be provided throughout the course. This information will be announced during the semester in lecture.

DISABILITIES: If you have a qualifying disability as defined by the ODA and need special accommodations, you must provide me with the paperwork by Friday, January 25.

ACADEMIC DISHONESTY WILL NOT BE TOLERATED: Any student caught cheating in any form will be punished to the full extent of University regulations, including but not limited to receiving a zero for the exam and an F for the course. Your exams will be copied before they are returned; therefore, any changed answers will be recognized and a zero will be given for the exam if one is dishonestly attempting to get more points.

The key to doing well in this course- Be responsible

- **ATTEND CLASS** (on time!) I may take attendance periodically as need by UNT.
- If you miss class get lecture material from a classmate and see me during office hours if needed.
- Use the material on the web to supplement the information I discuss in class.
Read the textbook!
Do the review questions. Exam questions may be based on review questions.
DO NOT BE LATE FOR EXAMS!
Do not procrastinate studying.
Do not be disruptive during class - otherwise you will be asked to leave.
See me if you have questions regarding the course material.
Ask questions if you don’t understand something (either during class or office hours).

**TENTATIVE LECTURE SCHEDULE**

**EXAM 1 MATERIAL:**
Ch 1, 23 (Pg 606-611) Genetics, Genetic Model Systems
Ch 2 Cell Division, Mitosis, Meiosis, Stem Cells (pg 505)
Ch 3 Mendelian Genetics and Pedigree Analysis
Ch 4 Extensions of Mendelian Genetics
Ch Pg 476-477, 625, RNA interference
**EXAM 1 MONDAY FEBRUARY 14**

**EXAM 2 MATERIAL:**
Ch 5, 6 Chromosome Mapping
Ch 7 Sex Determination
Ch 8 Chromosome Mutations
Ch 10, 13 DNA Structure and Analysis
Ch 11 DNA Replication
Ch 12 Chromosome Organization
Ch 23 (pg 612-624) Genetic Screens
**EXAM 2 MONDAY MARCH 21**

**EXAM 3 MATERIAL:**
Ch 14 Genetic Code, Transcription
Ch 15 Translation, Proteins
Ch 16 Gene Mutations
Ch 17, 18 Gene Expression
Ch 19 Development
Ch 26 Behavior
**EXAM 3 MONDAY APRIL 18**

**EXAM 4 MATERIAL:**
Ch 20 Cancer
Ch 21 Genomics, Bioinformatics, Proteomics, Evolution
Ch 24 Biotechnology

May 4 Review for final exam
May 6 No class
**FINAL EXAM WEDNESDAY MAY 11, 8:00AM-10:00AM**