Course: BIOL 2610 - Genetics
Semester: Spring 2012
Instructor: Dr. Lisa Eccles, Office NSCI 120, Phone 423-318-2768
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Course Supervisor: Dr. Jeff T. Horner, Dean of Natural Science, Office 126 NSCI,
Contact: Phone: 423-585-6954, E-Mail: Jeff.Horner@ws.edu
Office Hours: Instructor office hours are posted on their office door.
FAX: 423-318-2762
Secretary: 423-585-6865 (Sherry Woody)


Catalog Description:
A study of heredity with emphasis on Mendelian genetics and its cytological basis; probability theory and statistics as they relate to Mendelian genetics.
3 hours lecture ................................................................................................................................................3 Credits

Course Competencies:
Upon completion of this course students should be able to:
1. Have a basic understanding of modern theories and recent discoveries in the field of genetics.
2. Be familiar with the foundations and principles upon which the modern theories of genetics function.
3. Understand how the principles of genetics apply to the study of human genetics.

Instructional Methods
1. Lectures
2. Classroom discussion
3. Internet, CD-ROM and computer simulations

Lecture Chapter Assignments
Genes, Chromosomes and Heredity; Chapters 1–9
DNA: Structure, Replication, and Variation; Chapters 10-12
Expression and Regulation of Genetic Information; Chapters 13-19
Genomic Analysis; Chapters 20-22
Genetics of Organisms and Populations; Chapters 23-26
Grading Scale and Evaluation:
5 Lecture Exams, Mastering Assignments, & 1 Comprehensive Exam = 800 points

FINAL GRADE
90% of 800 = 720 = A
80% of 800 = 640 = B
70% of 800 = 560 = C
60% of 800 = 480 = D
Below 60% = F

Exam Policy:
1. **ALL** exams are to be taken at times scheduled by the instructor.
2. **ALL** exams scheduled in the course by the instructor must be taken in order for the student to receive a passing grade.
3. Make-up exams will be given for excused absences only (excused absences include illness, death in family, and military or jury duty). Makeup exams may be different from exams taken at scheduled times.
4. Make-up exams must be taken before the next scheduled exam.

Course Ground Rules:
1. Accurate attendance records will be kept for the class. Attendance will be taken every class meeting by some means. If a student stops attending class, this will be reported to the Office of Student Affairs
2. Violations of academic integrity will not be tolerated. You are responsible for making yourself aware of and understanding the policies and procedures in the Student Handbook that pertain to Academic and Classroom Misconduct. These policies include plagiarism, cheating and other forms of academic dishonesty.
3. Students with disabilities must register with the Department of Services for Individuals with Disabilities in College Center (CCEN), Room 210 (phone 585-6892), if they need any special facilities, services or consideration. No retroactive adjustments will be made if you fail to notify your instructor in advance of the first exam, quiz or other assignment. Students with disabilities should inform their instructor of any special needs within the first week. The student must provide notification from the Assistant Dean of Placement Services and Services for Individuals with Disabilities.
4. Students in need of tutoring assistance are encouraged to contact the Office of Tutoring located in the College Center (CCEN), Room 221A. The phone number is 423-585-6920.
5. Students are required to supply a #2 pencil for each lecture exam.
6. As noted in the “Timetable of Classes” students must attend the first day of class or contact the instructor prior to the first class. Failure to do this may result in the student being dropped from the class.
7. Those not enrolled in this course (including children) may not attend class.
8. All cell phones must be turned off during class. Exceptions will be made for EMS, firefighters, or other emergency workers that are on call.
9. Eating, drinking and use of tobacco products are not allowed in the classroom!
10. The wearing of hats and caps in class is not allowed! Students will be asked to remove their hats and caps.
11. **STAY AWAKE IN CLASS.** Your mere presence in class is not sufficient—you must be able to actively process the information presented! Sleeping in class is disruptive in two ways: the student who is snoozing is not interested and not participating in the classroom discussion; secondly, sleeping in class is considered to be disrespectful to the teacher and other students. The penalty for sleeping in class may range from the student being requested to leave the class with a following conference with the instructor, to notification of the Vice-President of Academic Affairs (in the cases of habitual sleepers). If you have a medical condition that prevents you from staying awake in class, please discuss this with the instructor.

**WSCC Catalog Notification Statement:**
All students attending Walters State Community College, regardless of the time and location of the class, must abide by the rules and regulations outlined in the current *Walters State Catalog/Student Handbook* and the current “Walters State Timetable of Classes.” A copy of the Catalog/Handbook and the “Timetable of Classes” may be obtained from the Admissions Office on the Main campus or at any of our off-campus sites. You may also access the Catalog/Handbook on-line at the following web address: [http://www.ws.edu/catalog](http://www.ws.edu/catalog).

**Note:**
Students receiving any type of financial aid or scholarship should contact the Financial Aid Office before making any changes to their schedule. Schedule changes without prior approval may result in loss of award for the current term and future terms.

**ATTENTION:** The Natural Science faculty members are concerned with proper academic advising of students in ALL Pre-Professional programs. It is our explicit desire to help you with any advising problems you may encounter.