

Course Syllabus - Introductory Genetics 3200 A– Fall 2013

BIOL 3200, CRN 81287 - Genetics - 3 Credit Hours- Section A

Lecture : Monday, Wednesday and Friday 12:00 pm – 12:50 pm Room 1011 Bailey Science Center

Prerequisite: MATH 1113, BIOL 1107, BIOL 1108 or permission of the instructor. A survey of modern genetics including: Mendelian and molecular genetics, as well as selected topics in population and quantitative genetics and genetic engineering. Note that this is a 3 hour lecture course without a lab.

Professor: John F. Elder,
Office: 2088 Bailey Science
Phone (229) 333-5762
Email: jfelder@valdosta.edu

Office Hours: 9:00 - 11:00am Tuesday and Thursday or [appointE.\(\)-2\(l\)JJJETBT1 0rs9 TJETBT1 0 0 1 333.53 556.54 Tm\(\)JJJETBT1 0 0](mailto:jfelder@valdosta.edu)

2. Describe the evolutionary processes responsible for biological diversity, explain the phylogenetic relationships among the major taxa of life, and provide illustrative examples.
3. Demonstrate an understanding of the cellular basis of life.
4. Relate the structure and the function of DNA/RNA to the development of form and function of the organism and to heredity.
5. Interpret ecological data pertaining to the behavior of the individual or

F

