

BIOL 3200, Introductory Genetics
Fall Semester 2014, Section A (CRN# 81760, 3 Credit hours)
Department of Biology, College of Arts & Science, Valdosta State University

Lecture (BC 1011): T & R 2:00 p.m. – 3:15 p.m.

Instructor: Dr. Brian C. Ring
Office: **BC 2084**
Office hours: **T & R** 11:00 a.m. – 12:00 p.m. or by appointment.
Phone: 249-4841 (Dept. office 333-5759)
Email: bcring@valdosta.edu (**please use BlazeView first**)

Graduate Assistant: TBD
Email: _____ - (**please use BlazeView first**)

Pre-Requisites: MATH 1112 or 1113, BIOL 1107, and 1108 or permission of instructor.

Course Description: A survey of modern genetics including Mendelian modes of heredity and population genetics.

- 1) Comprehend the basic terminology & principles of modern Mendelian Transmission Genetics from cellular meiosis to phenotype in the organism and relatedness to other sub-fields of genetics: Molecular & Population (**BO2, BO3, & GE4, & GE7**);
- 2) Extend upon basic Mendelian principles the understanding of chromosomal inheritance and how genes are regulated in an organism and quantified for a species within a population (**BO2, BO4, & GE4**);
- 3)

Required Materials:

1) Benjamin A. Pierce. *Genetics Essentials: Concepts & Connections*. 2010. 2nd Ed. W.H. Freeman & Company.
ISBN-13 # 978-1-4292-

command of the material covered. To obtain this grade of excellence, it is recommended that students study daily and answer all the chapter questions listed on the schedule

TENTATIVE LECTURE & HOMEWORK