

**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.  
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**Graduate Assistant:** TBD  
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**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. 2<sup>nd</sup> 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