

Introductory Genetics
BIOL 3200(5200), Section A (3 credit hours), Spring Semester 2019

Lecture (BC 1023): Tuesday and Thursday 3:30 pm – 4:45 pm

Instructor: Dr. Cristina Calestani

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By the end of this course the students will be able to:

1. Demonstrate knowledge and comprehension of terminology and basic principles of genetic inheritance at the level of individuals and populations (Biology outcomes 1 through 5; VSU outcomes 3 and 5)

7. Describe and demonstrate comprehension of the basic molecular and cellular mechanisms regulating genetic inheritance (Biology outcome 3 and 4; VSU outcomes 3 and 5)

8. Relate the structure and function of DNA/RNA to the development of form and function (phenotype) of the organism (Biology outcomes 3 and 4; VSU outcomes 3 and 5)

9. Demonstrate comprehension of experimental approaches used to test specific hypothesis in classical, population and molecular genetics (Biology outcome 1, 2, 3, 4, 5; VSU outcomes 3 and 5)

Textbook

, 4th edition, by Benjamin A. Pierce. Editor, W.H. Freeman & Company.

Additional required material

Clicker NXT Device & Turning Account-1Year (Turning Technologies).

ASSESSMENTS

The course assessments will consist of four exams, in-class activities and online quizzes.

Exams will be taken during class time and must be turned in by the scheduled end of class. The fourth exam will be a comprehensive final. In-

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b) Online quizzes(10

Learning Support

The Academic Support Center: The Academic Support Center provides free peer tutoring for most core courses and some upper-division courses. It also offers time management and study skills workshops as well as other learning support services.

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