

BIOL 1030 ORGANISMAL BIOLOGY SYLLABUS Online Section P60

Lecture: BIOL 1030-Credits

Optional Corequisite Laboratory: BIOL 1040L1 Credit – scheduled separately.

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CATALOG DESCRIPTION: This is an online version of courses meeting core requirements as listed in the VSU student catalogue as described below:

BIOL 1030. Introduction to Biology: Organismal Biology. 3 Hours.

Corequisite: BIOL 1040L This course cannot be taken for credit toward the major in biology. An introduction to modern biology for the normal major with special emphasis on the processes involved in the development and maintenance of complex multicellular organisms.

This course focusses on the chemical and cellular level of organization with genetics of living things.

COURSE OBJECTIVES: This course fulfills one portion of Area D of the Learning Outcomes for Valdosta State University's Core Curriculum: Students will demonstrate understanding of the physical universe and the nature of science, and they will use scientific methods and/or mathematical reasoning and concepts to solve problems.

(<http://www.valdosta.edu/gec/ProposedNewLearningOutcomes.shtml>) Specifically, students will:

- Learn about the nature of science and how to build scientific knowledge;
- Demonstrate a fundamental knowledge of the chemical and cellular basis of life;
- Relate the structure and the function of DNA/RNA to the development of form and function of the organism and to heredity;
- Effectively organize, communicate and apply their knowledge of biology to their everyday lives.

COURSE MATERIALS:

Textbook: The textbook for this course is available free online and as a download. Alternatively, you may purchase a hardcopy book directly online or from the VSU bookstore. The text is: Concepts of Biology from OpenStax College, ISBN 1-93816811-9, and can be accessed at <https://openstax.org/details/books/conceptsbiology> Course content will be drawn from assigned readings in the Concepts of Biology. The text is available free online, in a variety of formats, and a print version or mobile app are available to purchase.

Lab: The corequisite Biology 1040L ONLINE Lab requires that you purchase a license from the VSU bookstore to access online laboratory simulations provided by "Labster

- x Each exam will be multiple choice and will cover the material from the current module Exams will cover assigned reading and posted lecture PowerPoint presentation
- x The lowest of the five exam scores will be dropped and will not be included in your final grade calculation.
- x Each exam is worth 100 points.
- x THERE ARE NO MAKE UP EXAMS. If you must miss an exam for any reason, this will automatically be the lowest

BIOLOGY TUTORING The Academic Support Center (ASC) at Valdosta State University is located in the VSU Odum Library and is available to all students. The ASC provides free peer tutoring in core curriculum courses, including biology, chemistry, math, writing, and foreign languages. The ASC also provides free professional academic advising and on-campus job information in one location. Call 3337570 to make an appointment, or visit the website: www.valdosta.edu/ssc.

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