

Lecture: BIOL 1030 CRN 81946 - 3 Credits

Co-requisite Laboratory: BIOL 1040L – Online section P60 – CRN 81950 - 1 Credit – see lab syllabus online for details

Instructor: Dr. John Elder

Office: BC 2088 Bailey Hall / 2nd Floor

Office Phone: (229) 333-5762

Email: jfelder@valdosta.edu

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 non-major with special emphasis on the processes involved in the development and maintenance of complex multicellular organisms.

BIOL 1040L. Organismal Biology Lab. 1 Hour.

Corequisite: **BIOL 1030**. This course cannot be taken for credit toward the major in biology. A laboratory course to accompany Biology 1030, emphasizing the structure of multicellular organisms.

This course focuses on the chemical and cellular level of organization, genetics and organ systems 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>)
- c. Relate the structure and the function of DNA/RNA to the process of heredity;
 - d. Effectively organize, communicate and apply their knowledge of the chemical and physical processes of life.

COURSE MATERIALS:

Textbook: The text book for this course is available free online or as a hardcopy book directly online or from the VSU bookstore. The ISBN is 1-938168-11-9, and can be accessed at <https://openstaxcollege.org/textbooks/college-biology>

be drawn from assigned readings in the Concepts of Biology text. **The text is available free online, in a variety of formats, and a print version or mobile app are available to purchase.**

Lab: The co-requisite Biology 1040P60 lab requires that you purchase a license to access online laboratory simulations provided by "Labster"™ Company (<https://www.labster.com/>). See the lab syllabus and instructions posted on the BIOL 1040/P60 site for detailed instructions on registering for and using Labster.

Exams: There are five scheduled online exams during the term. Each exam will be multiple choice and will cover the material from the previous exam through the current exam. Exams will cover all reading and posted lecture Powerpoint presentations in detail. The lowest of the five exam scores will be dropped and will not be included in your final grade.

If you must miss an exam for any reason, this will automatically be the lowest score and will not be included in your final grade. Exams are closed book and will use the Respondus Lockdown Browser.

Quizzes: There are online vocabulary quizzes for each assigned text chapter. These are closed book, multiple choice and will require you to have learned the terms and definitions. The lowest quiz score will be dropped. The average of the quiz scores will be worth 10% of your final total grade. Quizzes will use the Respondus Lockdown Browser.

Discussion board: There will be a weekly online discussion board. Participation is required. You must make at least one original contribution and respond to a least 2 other student postings for each weekly session. Grading of discussions will be based on the following rubric:

Rubric: Each discussion will be worth 100 points distributed:

- 50% Participation
- 10 % Understanding of principles
- 10% Terminology use
- 15% Originality of contributions
- 15% External source contribution

The lowest score for discussions will be dropped. The average of discussion participation sessions will be worth 10% of your final total grade.

OVERALL GRADING: Final letter grades will be assigned on a **100point scale** for your overall average percentage score for the lecture portion of the class: A: 90– 100% B: 80– 89% C: 70– 79% D: 60– 69% F: < 60% .

SPECIAL NOTE: The final grade depends solely on the student's performance on class requirements during the scheduled class term. There is no "extra credit" during the term nor after it closes. The instructor will not entertain any discussions about grade changes unless there has been a calculation error either during the term or after it ends.

advising and on -campus job information in one location. Call **333-7570** to make an appointment, or visit the website: www.valdosta.edu/ssc.