

Lecture: BIOL 1030 CRN 81946 - 3 Credits

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

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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 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 focusses 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>) Specifically, students will:

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

COURSE MATERIALS:

Textbook: The text book 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 1-938168-11-9, and can be accessed at <https://openstaxcollege.org/textbooks/concepts-of-biology>. Course content will 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 1040 P60 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 calculation. The average of 4 exam scores will be worth 80% of your final total grade. **THERE ARE NO MAKE UP EXAMS.**

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 **100 point 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.

To calculate your grade at any given point multiply each average by the appropriate percentage and then add up the totals. For example:

Test average x 0.80 = + _____
Quiz average x 0.10 = + _____
Discussion average x 0.10 = + _____ Total
class score = _____

COMMUNICATION:

Email: Email is the simplest and primary way to contact me outside of class and is the quickest way for me to contact you as well. All email should be sent directly to jfelder@valdosta.edu. You are required to check and maintain your Valdosta State University email account regularly. I will only communicate with you through this official email account.

Do NOT email using the Blazeview system.

Blazeview: We will be using Blazeview throughout the semester as a tool for sharing grade information. I will post course tentative grades as well as any necessary class materials. Note that I use the Blazeview site grade sheet **only to report grades** to you. I do not use it to actually calculate grades. I use a separate spreadsheet. All official course information is located on Blazeview and students are expected to regularly access the Blazeview website.

BIOLOGY TUTORING: The **Student Success Center (SSC)** at Valdosta State University is located in **Langdale Residence Hall above the Tech Shop** and is available to all students. The SSC provides free peer tutoring in core curriculum courses, including biology, chemistry, math, writing, and foreign languages. The SSC also provides free professional academic

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

MID-TERM, OR IN-PROGRESS GRADES: The instructor is required to submit in-progress grades prior to mid-term as posted. In theory, a mid-term grade is necessary for a student to assess how s/he is doing in class by midterm. In this course, students will have feedback on at least one major exam by midterm, several lab quizzes, lab assignments, and any homework or writing assignments. The instructor will, in general, assign an overall average grade at this point on the normal scale of A-F viewable on Banner. Students receiving a grade of “D” or lower should therefore carefully evaluate their option of dropping this course by midterm without academic penalty.

PRIVACY ACT (FERPA): THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA) prohibits the public posting of grades by social security number or in any manner personally identifiable to the individual student. No grades can be given by email or over the telephone, as positive identification cannot be made by this manner.

ACCESS STATEMENT: Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The **Access Office is located in Farbar Hall**. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU’s Access Office or email: access@valdosta.edu.

TITLE IX STATEMENT: Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: **Maggie Viverette, Director of the Office of Social Equity**, titleix@valdosta.edu, 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

See the Class Schedule posted on Blazeview in getting started and refer to it often so as to be aware of due dates for class requirements.