

Organismal Biology syllabus – BIOL 1030 – Spring 2023
Department of Biology, College of Science and Math, Valdosta State University

Instructor: Mr. Joshua Brown

Course info:

Biology 1030

Tuesday/Thursday 9:30 – 10:45 Room 1011 BSC

Contact:

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Email: Joshuabrown@valdosta.edu

Office Hours: Mon & Wed 1:00 – 2:30 PM or by appointment

Course Description: 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.

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 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:

Required Text: Marielle Hoefnagels *-Biology: Concepts & Investigations 5th Ed.* (2018) Connect package, McGraw Hill . ISBN-13: 9780078024207

I strongly recommend you read the appropriate chapters as we move along in the class.

This course is participating in the **Day 1 Textbook Savings Program**. You will receive instant access to your course material and save 30% or more off the retail price. If you choose not to participate in this program you must opt-out no later than the drop/add deadline. To opt-out or to learn more about the program, please visit <http://www.valdosta.edu/day1>.

- Day 1 program – Click on the “registration” link on the class Blazeview page.
- Then click on “access now” - Begin your 14-day Temporary Access period. All students begin as temporary status on the program. The status will change unless you “opt out”. Your student account will be billed so you do not “purchase” anything at this site.

Please note: After you register, you will have the option to purchase a low-cost, binder-ready, loose-leaf, print-version of the text through Connect if you desire a **hardcopy text. This is optional**. If you choose to purchase a copy, a full-color, loose-leaf version will be shipped to you.

The class is broken into five modules each dealing with a set of chapters. The quizzes and HW will open at the start of a module and close at the end of it. There is no makeup because there is plenty of time to complete everything for a module. For example, If we are in module three, I will not open an assignment from module two. See schedule below for specific open/close dates.

Communication:

Email: The easiest and most reliable way to contact me is through the school email. That is where I will be sending out all information for this class so I highly recommend you check it regularly. My email is joshuabrown@valdosta.edu, BlazeVIEW is unreliable when it comes to communication so If you want a prompt response from me then I do not recommend you try to contact me through it.

Please be courteous/respectful when communicating with the instructor and your classmates. I will not respond to rude emails. Everyone in this class is an adult and I will treat them as such. I would never outright disrespect you and I expect the same in return.

BlazeVIEW will mostly be used to post all class materials and tentative grades. It is the student's responsibility to routinely check BlazeVIEW for posted announcements and to review grades as they are reported. All official course information is located on BlazeVIEW and students are expected to regularly access the BlazeVIEW website. **"I didn't know" will not be an accepted excuse** for missing dates, deadlines or errors. If at any point you have an issue with something on BlazeVIEW, tell me right away. Do not wait until the end of the semester when final grades have been submitted to dispute a grade.

Note that I use the Blazeview site grade sheet **only to report tentative grades** to you.

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 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. In theory, a mid-term grade is necessary for a student to assess how they are 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.

Non-Discrimination and Title IX Statement

Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. The University prohibits specific forms of behavior that violate Title IX of the Education Amendments of 1972. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal funding. VSU considers sex discrimination in any form to be a serious offense. Title IX refers to all forms of sex discrimination committed against others, including but not limited to: sexual harassment, sexual assault, sexual misconduct, and sexual violence by other employees, students or third parties and gender inequity or unfair treatment based on an individual's sex/gender. The designated Title IX Coordinator for VSU is Mr. Darius Thomas. To view the full policy or to report an incident visit: <https://www.valdosta.edu/administration/student-affairs/title-ix/>

Accommodations Statement:

Students with disabilities who are experiencing barriers in this course may contact the Access Office (<https://www.valdosta.edu/student/disability/>) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-5871. For more information, please visit VSU's Access Office or email: access@valdosta.edu. To request reasonable accommodations for pregnancy and childbirth, contact Christina Kidd, Student Conduct Coordinator at chkidd@valdosta.edu. Please note, you will be required to provide documentation from an appropriately licensed medical professional indicating the requested accommodations are medically necessary.

SOI Statement: At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available through SmartEvals. Students will receive an email notification through their VSU email address when the SOI is available (generally at least one week before the end of the term). SOI responses are anonymous to instructors/administrators, and they will be able to access results only after they have submitted final grades. Before final grade submission, instructors will not be able to see any responses, but they can see the percentage of students who have or have not completed their SOIs. While instructors will not be able to see student names, an automated system will send a reminder email to those who have yet to complete their SOIs. Students who withdraw or drop a course will also be sent invitations to complete the Dropped Course Survey. Complete information about the SOIs, including how to access the survey, is available on the SOI Procedures webpage.

Tentative course/test schedule

Module 1: Jan 9th – Jan 31st

Chapter 1: Introduction/Studying life

Chapter 2: Chemistry of life

Chapter 3: Cells

Test 1: Tuesday January 31st

Module 2: Feb 2nd – Feb 23rd

Chapter 4: Energy of life

Chapter 5: Photosynthesis

Chapter 6: Respiration & Fermentation

Test 2: Thursday February 23rd

Module 3: February 28th – Mar 23rd

Chapter 7: DNA structure/function

Chapter 8: DNA replication

Chapter 9: Sexual reproduction

Test 3: Thursday March 23rd

Module 4: March 28th – April 13th

Chapter 10: Inheritance

Chapter 11: DNA technology

Chapter 12: Forces of evolution

Test 4: Thursday April 13th

Module 5: April 13th – April 27th

Chapter 13: Evidence of evolution

Chapter 14: Speciation and extinction

Chapter 15: Origin and history of life

Test 5: Thursday April 27th

Important Spring 2023 dates

January 9	First class day
January 12	Registration ends
January 16	MLK day – No classes
March 2	Midterm
March 9	Withdrawal deadline
March 13 – 17	Spring break
May 1	Last class day
May 2 – 5	Final exams

**This is a tentative
syllabus and is subject
to change**