

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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Phone: (229) 219 – 3615

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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 4th 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 list price. If you choose not to participate in this

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. There is no makeup because there is plenty of time to complete everything for a module. For example, if we have an assignment due in module three, I will not open an assignment from module two. See schedule 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 mate

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 forms of sex discrimination committed against others, including but not limited to: sexual harassment, se

Tentative course/test schedule

Module 1: Jan 9th – Jan 31st

Chapter 1: Introduction/Starting 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