

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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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 4<sup>th</sup> 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](mailto: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 me 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.

## 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

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### Module 1: Jan 9<sup>th</sup> – Jan 31<sup>st</sup>

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Chapter 1: Introduction/Starting life  
Chapter 2: Chemistry of life  
Chapter 3: Cells  
Test 1: Tuesday January 31<sup>st</sup>

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### Module 2: Feb 2<sup>nd</sup> – Feb 23<sup>rd</sup>

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Chapter 4: Energy of life  
Chapter 5: Photosynthesis  
Chapter 6: Respiration & Fermentation  
Test 2: Thursday February 23<sup>rd</sup>

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### Module 3: February 28<sup>th</sup> – Mar 23<sup>rd</sup>

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Chapter 7: DNA structure/function  
Chapter 8: DNA replication  
Chapter 9: Sexual reproduction  
Test 3: Thursday March 23<sup>rd</sup>

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### Module 4: March 28<sup>th</sup> – April 13<sup>th</sup>

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Chapter 10: Inheritance  
Chapter 11: DNA technology  
Chapter 12: Forces of evolution  
Test 4: Thursday April 13<sup>th</sup>

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### Module 5: April 13<sup>th</sup> – April 27<sup>th</sup>

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Chapter 13: Evidence of evolution  
Chapter 14: Speciation and extinction  
Chapter 15: Origin and history of life  
Test 5: Thursday April 27<sup>th</sup>

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Important Spring 2023 dates

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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

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This is a tentative  
syllabus and is subject  
to change