

Biological Science: BSC 1005 Online

CRN 24374

Spring 2017

INSTRUCTOR: Prof. Lewis-Vogel, M.S. Molecular & Microbiology

OFFICE: By email appointment only, Winter Park Campus

EMAIL: KLewis39@valenciacollege.edu

1. Students **MUST** use their Valencia college email to contact me; any other email will be sent to spam and I will not see it.
2. **Please include in the body of your email “BSC 1005 CRN 24374” so I may immediately pull up the course information for you.**
3. *I rarely check my email on the weekends! This means if you miss a deadline on a weekend I will NOT be available to aid you until Monday or Tuesday at the latest, which is why early work is encouraged!
4. Do NOT expect me to reply to an email 5 minutes after you sent it, there are times in the semester where it may take me 48 hours to respond to your email, please be patient and review the “Netiquette” guidelines below.
5. Do NOT use the “messages” in Blackboard, email me directly at the above email.

CLASS MEETS: Online

Blackboard: This is an online, Blackboard course. The website can be accessed by logging on to <http://valenciacollege.edu/> and using the Quick Links drop down menu to select Online Courses from the list. Use your Atlas account ID and password to access the course syllabus, assignments, quizzes and handouts etc.

There will not be any required meetings on campus and we will NOT have set chat or discussion times each week. You will have access to the course 24/7 and may participate at the times most convenient for you. **However, this is NOT a self-paced course. There are specific due dates for each assignment, assessment, discussion board etc.**

CREDITS: 3

REQUIRED TEXT: *Biology: Concepts and Applications*, 9th edition with Mind Tap; Starr, Evers, and Starr. ISBN: **9781305512962 (with a Mind Tap access code required)**
Register in Mind Tap through our Blackboard classroom only.

PREREQUISITES: None

Online Courses Are For You: If you are self-disciplined, an independent learner, motivated, excited to learn, and willing to work in an online classroom. If not, please take this course or another non-majors biology course face-to-face.

Blackboard course. The website can be accessed by logging on to <http://valenciacollege.edu/> and using the Quick Links drop down menu to select ‘Online Courses’ from the list. Use your Atlas account ID and password to access the course syllabus, assignments, quizzes and handouts etc. You will have access to the course 24/7 and may participate at the times most convenient for you however, this is NOT a self-paced course. There are specific due dates for each assignment, assessment, discussion board etc.

Drop with refund DEADLINE: January 17th; No Show reporting ends January 27th

WITHDRAWAL DEADLINE: The deadline for withdrawal from this class with a grade of **W** is **March 31st, 2017.**

COURSE DESCRIPTION:

An introduction to essential principles of biological science. Topics include, but are not limited to, the nature of science and the scientific method, chemistry for biology, cell structure, metabolism, reproduction, and genetics, organisms and ecology. A general education non-majors course, also recommended for students needing preparation before enrolling in a biology course for science majors. May be used as a prerequisite for BSC2093C or MCB2010C when taken in conjunction with BSC1005L, Lab in Applied Biology.

LEARNING OUTCOMES FOR BIOLOGICAL SCIENCE:

The following learning outcomes describe what students should be able to do with their new knowledge at the end of this course.

Students will:

- be able to identify the steps of the scientific method
- analyze practical problems and/or case studies and solve them using the scientific method
- identify basic chemical compounds and their function in organisms
- identify cellular structures and functions
- identify the levels of organization from cells to communities
- identify the structures and functions necessary for survival of organisms
- identify and explain genetic mechanisms and types of reproduction

GRADING SCALE:

The final grade will be determined as a percentage of total possible points earned. Letter grades will be assigned according to the following scale.

A = 90 – 100% B = 80 – 89% C = 70 – 79% D = 60 – 69% F = Below 60%

Grade Composition: 1,000 possible points

1. 8 Discussions with 2 replies each (20%) ~25 points/chapter
2. 15 Aplia Assignments in Mind Tap (25%) ~17 points/chapter after weighting
3. 15 Chapter Tests in Mind Tap (35%) ~23 points/chapter after weighting
4. MANDATORY Final Exam, Comprehensive (20%) ~200 points

**Any of these 4 components that are missing will bring down your grade significantly!

GRADING POLICIES:

If a student takes the final exam, the grade earned for the course will be recorded with the registrar. If a student decides to withdraw prior to the final exam, **it is the student's responsibility** to complete official procedures through the registrar's office.

1. All readings, quizzes and assignments **MUST** be completed by the deadlines stated in the syllabus pages 5-7 unless otherwise noted. *The most successful students use their smart phone calendars to set reminders!*
2. An Ethernet connection directly into your modem is REQUIRED, quizzes will NOT be reset because the Wi-Fi connection was lost.
3. Quizzes will be taken online in Blackboard. **Make sure you check availability window.** Tests & quizzes **CANNOT** be made up.
4. All information from textbook readings, handouts, and class discussions may appear on the quizzes and final exam. You are responsible for the material covered.
5. It is the student's responsibility to be informed of final exam and quiz dates by using the provided calendar of weekly assignments.

ATTENDANCE:

1. Students are expected to login in to class weekly and check your email at least every other day.
2. You cannot make up missed assignments.

WITHDRAW POLICY

Students are responsible for initiating a voluntary withdrawal from the class prior to the published withdrawal date. The professor will only withdraw a student due to an infraction of the Student Conduct code. Students using a scholarship or other aid are responsible for checking on outcomes (relating to withdrawals) on their scholarship or other aid.

ACADEMIC HONESTY:

Each student is expected to be in compliance with the college catalog and student handbook. Cheating, in any form, will not be tolerated. Any student caught cheating will receive a zero on the assignment and may be subject to withdrawal from the class.

MANDATORY FINAL EXAM:

Students not taking the final exam will receive 0 for points for that assignment. The 0 will be averaged in as part of the final grade. The final exam is a comprehensive test that covers all the material assigned in the class i.e. readings, tests, discussion topics, activities, written assignments etc. Students who do not take the mandatory final exam WILL receive a grade of "F" for the course.

EXPECTED STUDENT CONDUCT

Valencia Community College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia Community College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty member to leave the class. Violation of any classroom or Valencia's rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriated and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.

SPECIAL NEEDS:

1. Students with disabilities who qualify for academic accommodations must provide a letter from the office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (Winter Park Campus, room 203; (407-582-6887).
2. Please follow the college policy relating to children on campus and make arrangements for childcare outside of classrooms or labs.

Blackboard

You will be using Blackboard to access your on-line tests, discussions, assignments, course calendar, scores for course work (my grades), and all email communications for this course. If you do not presently have a computer, the Library has computers

available for you to use. If you have difficulty accessing Blackboard on your computer, or difficulty opening different pages on the class website, you can do several things:

1. Contact the online Student Resources
<http://valenciacollege.edu/oit/ltad/studentResources/>
2. Contact Valencia Student Help at 407-582-5600 (available 24/7)
3. Use computers in the Library, if you are not in the Orlando area use your local library!

If you experience problems with Blackboard, try these above options immediately. If these options fail to take care of the problem, contact me as soon as possible. You are responsible for insuring that you receive all and any information relating to this course!

Netiquette (Discussion Boards and email): The term “netiquette” refers to the awareness of the need for a certain code of behavior (etiquette) in electronic environments (the net) Net + Etiquette = netiquette.

In order to maintain a positive online environment for our class, we all need to follow the netiquette guidelines summarized below.

All students are expected to:

- Show respect for the instructor and for other students in the class
- Respect the privacy of other students
- Express differences of opinion in a polite and rational way
- Maintain an environment of constructive criticism when commenting on the work of other students
- Avoid bringing up irrelevant topics when involved in group discussions or other collaborative activities

The following list summarizes the kind of behavior that is not acceptable. Each item listed below is grounds for removal from the class.

Students should not:

- Show disrespect for the instructor or for other students in the class
- Send messages or comments that are threatening, harassing, or offensive
- Use inappropriate or offensive language
- Convey a hostile or confrontational tone when communicating or working collaboratively with other students

If I feel that a student is violating any of the above guidelines, I will contact that student to discuss the situation in person. If **you** feel that a student is behaving inappropriately, please send me a private email message explaining the situation as soon as possible.

If you are engaging in electronic environments as a member of this class, then you are subject to the same expectations and rules of conduct any teacher or administrator might expect of you in a face-to-face environment. Additionally, whether or not you are entering an electronic environment as a member of the class, if you are doing so via a Blackboard or Atlas account, you are legally responsible to abide by Valencia’s policies and expectations.

COMPETENCIES:

Valencia faculty defined four interrelated competencies (**Think, Value, Communicate, and Act**) that prepare students to succeed in the world community.

Think: Think clearly, critically and creatively, analyze, synthesize, evaluate concepts and draw well-supported conclusions.

Value: Articulate a considered and self-determined set of values.

Communicate: Employ methods of communication appropriate to your audience and purpose.

Act: Act purposefully, effectively, and responsibly.

This course will further develop your mastery of these competencies through discussions, group work, and class activities.

Tentative Class Calendar

Wk of	TOPICS	ASSIGNMENTS DUE	READINGS
1/9	Learning Unit: Invitation to Biology Course syllabus	a. Complete Discussion #1 student introduction/initial post by Wednesday. TWO Replies DUE Friday c. Complete MindTap Aplia Assignment for Ch 1 Friday d. Complete Ch 1 test Saturday	Ch 1
1/16	Learning Unit: Life's Chemical Basis Molecules of Life	NOTICE DIFFERENT DUE DATES from first week! a. Complete Discussion #2 Initial post by Wednesday. TWO Replies DUE Friday. b. Complete MindTap Aplia Assignment for Ch 2 & 3 by Wednesday c. Complete Ch 2 & 3 tests by Saturday	Ch 2 & Ch 3
1/23	Learning Unit: Cell Structure Metabolism	a. Complete Discussion #3 by Wednesday. TWO Replies DUE Friday b. Complete MindTap Aplia Assignment for Ch 4 & 5 by Wednesday c. Complete Ch 4 & 5 tests by Saturday	Ch 4 & ch 5
1/30	Learning Unit: Photosynthesis	a. Complete Discussion #4, by Wednesday. TWO Replies DUE Friday b. Complete MindTap Aplia Assignments for Ch 6 by Wednesday c. Complete Ch 6 test by Friday	Ch 6

2/6	Learning Unit: Energy Release in Cells	a. No discussion this week b. Complete MindTap Aplia Assignments for Ch 7 by Wednesday b. Complete Ch 7 tests by Friday No discussion this week	Ch 7
2/13	Learning Unit: DNA Structure/Function	a. Complete Discussion #5 by Wednesday. TWO Replies DUE Friday b. Complete MindTap Aplia Assignment for Ch 8 by Wednesday c. Complete Ch 8 test by Friday	Ch 8
2/20	Learning Unit: From DNA to Protein	a. No discussion this week b. Complete MindTap Aplia Assignment for Ch 9 by Wednesday c. Complete Ch 9 test by Friday	Ch 9
2/27	Learning Units: Mitosis /Cell Reproduction,	a. Complete Discussion #6 by Wednesday. TWO Replies DUE Friday b. Complete MindTap Aplia Assignments for Ch 11 by Wednesday c. Complete Ch 11 test by Friday	Ch 11
3/6	Learning Units: Meiosis/Sexual Reproduction	a. Complete MindTap Aplia Assignments for Ch 12 by Wednesday b. Complete Ch 12 test by Friday No discussion this week	Ch12
3/13	Learning Unit:	SPRING BREAK	
3/20	Learning Unit: Patterns of Inheritance	a. No discussion this week b. Complete MindTap Aplia Assignments 13 by Wednesday c. Complete 13 test by Friday No discussion this week	Ch 13
3/27	Learning Unit: Biotechnology	a. Complete Discussion #7 by Wednesday. TWO Replies DUE Friday b. Complete MindTap Aplia Assignment for Ch 15 by Wednesday c. Complete Ch 15 test by Friday	Ch 15

4/3	Learning Unit: Evidence of Evolution	a. No discussion this week b. Complete MindTap Aplia Assignment for Ch 16 by Wednesday c. Complete Ch 16 test by Friday	Ch 16
4/10	Learning Units: Processes of Evolution	<i>No discussion this week.</i> a. Complete MindTap Aplia Assignment for Ch 17 by Wednesday b. Complete Ch 17 test by Friday	Ch 17
4/17	Learning Unit: Life's Origins/Early Evolution	a. Complete Discussion #8 by Wednesday. TWO Replies DUE Friday b. Complete MindTap Aplia Assignment for Ch 18 by Wednesday c. Complete Ch 18 test by Friday	Ch 18
Finals 4/24	Comprehensive Final Exam Due	Final exam due Thursday April 27 th (Final OPENS 4/23 at 12am)	Final

DISCLAIMER: The course schedule is subject to change

The ONLY extra credit is the SFI (Student Feedback of Instruction). You will receive an email from the College to complete this- it is ANONYMOUS- the ONLY way I will know you completed it is if you SEND the EMAIL for COMPLETION at the end of the survey. This extra credit will NOT be added until the survey closes so that all students receive credit. Do not ask for any other extra credit or to make up missed assignments. This is an online college level course the schedule is above and students are expected to actively participate every week.