

**Instructor - Dr. Ted Uyeno**

**Office** – NOTE: This course has been put online due to COVID – 19. I am not holding in office hours this semester. Please contact me by email.

**Bailey Science Center Rm. 2208**

Phone: 249-4940, Bio office – 333-5759

Email: [tauyeno@valdosta.edu](mailto:tauyeno@valdosta.edu)

(Note: I do not respond to Blazevue email)

**Hours -**

**Office: Mon 10:00 – 11:00, Tues 11:00-12:00**  
(or by appointment)

**Course:**

Lab – Section K (83341) – **Weds, 9:00-11:50**, online

Lab – Section O (83345) – **Thur, 9:30-12:20**, online

**Laboratory Textbook** – Goddard, R. H. 2010. Methods and Investigations in Basic Biology. 6th edition. Hayden-McNeil Publishing, Plymouth, Michigan.

**Course Description:** A laboratory course to accompany BIOL 1107 lecture, with exercises dealing with the cellular nature of life.

**Pre-Requisite:** None

**Attendance: MANDATORY!** Please note: 1) I keep track of attendance. 2) Online cheating is as offensive as in person cheating. 3) **NO** use of cheating websites, such as chegg.com. Such websites are now scanned for interaction, and can result in expulsion. Any of these violations may result in the loss of one **LETTER GRADE** from your final grade. Students missing 20% of the lectures will receive a grade of “F” **regardless** of standing.

**Students with Documented Disabilities:** I would like to teach everyone; Students needing reasonable accommodations should contact me and the Access Office for Students with Disabilities at the beginning of the semester. (Access office; Farber Hall, 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](mailto:access@valdosta.edu)).

**Assessment:**

**Laboratory Assignments and Grading:** Students will be graded on their performance in laboratory based on attendance, quiz grades, group lab projects, selected homework assignments, and other assignments as specified by your instructor.

**Lab Quizzes (100 points):** Quizzes (worth 10 points each) are given weekly during the first 10 minutes of each laboratory. **DO NOT BE LATE.** You will not be allowed extra time if you are late. If you miss the quiz completely, you will receive a zero for the quiz. Some of the questions will cover the procedures and results of the previous week’s exercises. Other questions will pertain to procedures for the upcoming lab. **You may use your lab manual for the quizzes.**

**Lab Assignments (100 points):**

1) **A1 Group Microscopy Project (25 points):** Each lab group will develop and complete a microscope-based experiment. Each group member will prepare and submit a written lab report. All students are required to complete this assignment.

2) **A2 Enzymology report (25 points):** Each student will complete a short report on data collected during Exercise 8 Enzymology: Investigation of the effects of temperature and pH on enzyme activity. Further information will be provided in lab. All students are required to complete this assignment.

3) **N1 Lab notebook (50 points):** A laboratory notebook is an important element for conducting scientific research. Each student will maintain a lab notebook for recording the methods employed in the experiment as well as the experimental results. Students are required to have their notebook at every lab class. Lab notebooks will be submitted and graded at periodic intervals throughout the semester. I will provide additional details throughout the semester.

**To assess your lab grade divide the total points earned by the total possible points (200) & then multiply by 100.**

**Table 1. Lab Points earned**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	A1	A2	N1	EC	Total
10	10	10	10	10	10	10	10	10	10	10	25	25	50	--	200

Q= Laboratory Quiz, A1, A2 = Laboratory Assignment, N1 = lab notebook, EC = Extra Credit Assignments. Use the empty second row in the table above to keep track of your individual points and lab percentage at any point in the semester. Lowest quiz will be dropped.

**Attendance Policy:** This course follows the university policy on class absences:

**“Whether online or face-to-face, a student who misses or does not participate in more than 20% of the scheduled course or course activities could be subject to receiving a failing grade in the course” – 2019-2020 Undergraduate Catalog**

Also, as stated in the Undergraduate Catalog, “the University does not issue an excuse to students for class absences. In case of absences as a result of illness or special situations, instructors may be informed of reasons for absences, but these are not excuses”. I will consider all absences on a case-by case basis.

Students who miss **3 or more** labs during the course of the semester could be subject to the stated policy. If you are absent from lab or know you will be absent from lab, please contact me within 24 hours with the reason. If I consider it an excused absence, I may be able to give you an opportunity to attend another lab session during that same week.

**No labs can be made up once the week has ended.**

**Privacy Act:** The FERPA Privacy Act does not allow me to discuss grades over the phone, sent to non-VSU email addresses, or be given to friends or relatives.

**Ethics:** Refer to the Student Code of Ethics in the Valdosta State University Student Handbook. A student caught cheating will be penalized ranging from receiving a zero for that assignment or

test to failing the class. **No first warning will be given.** Title IX: VSU is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment regardless of race, color, ethnicity, national origin, sex, religion, age, disability, genetic information, or veteran status Office of Social Equity, [titleix@valosta.edu](mailto:titleix@valosta.edu), 229-333-5463.

**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@valosta.edu](mailto:titleix@valosta.edu), 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

**Campus Gun Carry Statement (HB 280):** If you choose to carry a concealed weapon on campus, you are responsible for knowing and following the law. Refer here for FAQ:

<https://www.valdosta.edu/administration/finance-admin/police/campuscarry/>

**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.

**Important Dates: Middle of Term – Oct 8, Final Exam – Dec 8, 2.45 PM**

**\* The Instructor reserves the right to modify the above contents with proper notification.**

**Registrar's final exam schedule can be found here:**

<https://www.valdosta.edu/academics/registrar/documents/fall-2020-final-exam-schedule.pdf>

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## Lab Schedule

<b>Week of</b>	<b>TOPIC</b>
1 August 17	Syllabus and Course Introduction
2 August 24	Exercise 1: Introduction to the Use of the Scientific Method
3 August 31	Exercise 2: Basic Light Microscopy Exercise 3: Light Microscopy Observations of cells and organisms
4 September 7	<i>Labor Day</i>
5 September 14	Exercise 4: Proposal and Set Up for Independent Microscopy Project
6 September 21	Exercise 4 Cont'd: Data Collection for Independent Microscopy Project
7 September 28	Exercise 5: Cellular Water Relations
8 October 5	Exercise 6: Protein extraction & Quantification from living tissues
9 October 12	Exercise 7: Enzymology Lab: basics of $\alpha$ -amylase activity
10 October 19	Exercise 8: Enzyme Regulation: Temp and pH on $\alpha$ -amylase activity
11 October 26	Exercise 9: Photosynthesis
12 November 2	Exercise 10: Cell Reproduction: Mitosis, Meiosis and Cytokinesis
13 November 9	Handout: CSI Wildlife
14 November 16	Exercise 14: Transformation of pGLO plasmid into bacteria
15 November 23	<i>No labs this week</i>

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