

final grade. The final exam and laboratory grades (below: 100 pts. each) are mandatory.

Laboratory: (100 pts) Students will be graded on their performance in laboratory based on attendance, weekly quiz grades, selected homework assignments, group lab projects, and other miscellaneous assignments. As the laboratory is considered an extremely important part of learning "hands-on" biology, any student will automatically lose points from their final lab grade for any unexcused absence from laboratory.

Comprehensive final: The final exam period for this class is set by the University and is scheduled for Wednesday, July 29, 2015, at 8:00 – 10:00 am. All students are required to take the final.

Final grades will be based on a percentage of your cumulative points relative to the total points possible: Guaranteed grade distribution is as follows:

Lecture Exams:	300 pts	A = 90-100% (450-500 points)
Lecture Pop-Quizzes	100 pts	B = 80-89.9% (400-449 ")
Final Exam	100 pts	C = 70-79.9% (350-399 ")
Laboratory:	<u>100 pts</u>	D = 60-69.9% (300-349 ")
Total:	500 pts (one exam dropped)	F = \leq 59.9% (< 299 points)

Notes on grading philosophy: Students should note that a grade of "A" in this course represents an exemplary command of the material covered. To obtain this grade of excellence, it is recommended that students study daily and clarify with the professor any problems regarding course information, as they arise. Advice for students on studying is provided at the URL: <http://www.valdosta.edu/~rgoddard/Study.htm>

MAKE-UP EXAMS: The exam schedule is posted below. It is assumed that because students are registered for this course at the scheduled time and exams are given during this time, all students will be able to attend. Additionally, since one exam grade is dropped, absolutely no make-up exams are given. If you cannot make it to a test at the assigned time

exam grade is dropped), all students at midterm still have the potential of passing the course. Even a failing mid-term grade can be changed to a grade of excellence (e.g. "A") by the end of the course. Students should therefore carefully evaluate their option of dropping this course by midterm (7/5/10) without academic penalty.

Student identification. Students should have in their possession at all times their VSU student identification card. In order to verify the identification of students officially enrolled in the course, it is the instructor's prerogative to request official student photo identification cards at any time during lecture. During examinations, students may be asked to display their VSU student identification cards visibly or make them available for inspection by their instructor and/or assistants.

Academic Integrity: Any behavior suggestive of academic dishonesty w

TENTATIVE COURSE LECTURE MATERIAL OUTLINE:

Lecture	Topic	Text Readings (pgs):
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LABORATORY EXERCISES

Tentative Schedule of Labs

Lab	Date:	Topic:
1	10 June	Lab Safety and General Laboratory Introduction Exercise 1: "The Black Box"- Scientific Method
2	15 June	Exercise 2: Basic Light Microscope Operation and Microscope checkout: Use of the Light Microscope
3	17 June	Exercise 3: Light Microscopy Observations of cells and organisms; Exercise 4: Group Microscopy Project: Proposal Discussion & set-up Group Proposal (end of class)
4	22 June	Exercise 4 Cont'd: Independent Microscopy Projects: Distribution of microscopic flora and fauna; Data collection lab
5	24 June	Exercise 5: Cellular Water Relations
6	29 June	Exercise 6: Protein extraction from biological tissues, protein concentration determination, spectrophotometry and standard curves
7	1 July	Exercise 7: Enzymology Lab: basics of ζ -amylase activity
--	2 July	Midterm- last day to drop
8	6 July	Exercise 8: Enzyme Regulation: "Investigation of the effects of temperature and pH on enzyme activity"
	8 July	Exercise 9: Photosynthesis
9	13 July	Exercise 10: Mitosis & cell division
10	15 July	Exercise 11: Start:

VSU administration has required that certain elements be included in all class syllabi. One of these requirements is that relevant course learning outcomes must be linked to the VSU General Educational Outcomes at <http://www.valdosta.edu/academics/general-education-council/ge-outcomes.php> and to the Biology Department educational outcomes listed on page 113 of the current undergraduate catalog (2014-15). Students should be aware that the Biology department learning outcomes are extremely general and a more appropriate detailed outline of the learning outcomes we expect are represented by the ETS Biology Major Fields Test that we require students to complete and pass with a minimally acceptable score before graduating (http://www.ets.org/s/mft/pdf/mfttestdesc_biology_4gmf.pdf)

VSU General Education Outcomes <http://www.valdosta.edu/academics/general-education-council/ge-outcomes.php>

Biology Department Educational Outcomes (as outlined in the Undergraduate catalog)

The program of study in the Department of Biology has numerous desired outcomes. Examples of these outcomes include the following:

1. Develop and test hypotheses, analyze data, and present results and conclusions in both written and oral formats corresponding to those used in peer-reviewed journals and at scientific meetings.
2. Describe the evolutionary processes responsible for biological diversity, explain the phylogenetic relationships between the major taxa of life, and provide illustrative examples.
3. Demonstrate an understanding of the cellular basis of life.
4. Relate the structure and function of DNA/RNA to