BIOLOGY 107 INTRODUCTORY BIOLOGY II
COURSE SYLLABUS – SUMMER 2018
PLEASE READ THIS SYLLABUS CAREFULLY!!

COURSE COORDINATOR

Dr. D. Luther
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LECTURE INSTRUCTORS

Section C01	**MTWR 10:30-12:35pm**	**Expl L003**	Dr. Laemmerzahl
Section C02	**online**	**online**	Dr. Di Mauro

REQUIRED TEXTS

Lecture Text: Campbell, et al., 2014. *Biology: Concepts and Connections, 9*th ed. Pearson Benjamin Cummings, San Francisco.

COMPUTER SOFTWARE USED IN THIS COURSE

We will be using Pearson's MASTERINGBIOLOGY website for this course. You will be using this site to access learning activities, do homework assignments, and take online quizzes. If you purchased your books from the GMU bookstore, it comes packaged with an access code for the Masteringbiology.com website. If you purchased a used text or purchased your text from another source, you may need to purchase access to the masteringbiology.com site separately. It is possible to purchase a subscription to the masteringbiology.com website separately, but you will need it for graded assignments.

Basic requirements for Mastering

Windows XP, Vista, Windows 7 *Supported browsers:** Firefox 13.0 (Windows XP, Windows 7)Google Chrome 19.0Internet Explorer 8.0, 9.0 (Windows 7)Safari 5.0 **Mac OS 10.6, 10.7** *Supported browsers:** Firefox 13.0Safari 5.0 Google Chrome 19.0

* Additional browser versions may also be supported. As newer versions become available, these are also tested as part of Pearson's commitment to quality. If any recent browser version is not supported, it will be noted in these system requirements. **What about tablets?** An app is available for the Pearson eText on tablets. The Apple iPad is not currently supported by Mastering. Some Mastering assignments still require Adobe Flash technology. (More about Flash Player requirement)

Further information can be found at the following website:
http://www.masteringbiology.com/site/support/system-requirements.html

DESCRIPTION AND OBJECTIVES

Biology 107 is part of the University General Education program and, as such, fulfills, in part, the Natural Science requirement for a 2-semester laboratory science. The General Education program has four goals: 1) to ensure that all undergraduates develop skills in information gathering, written and oral communication, and analytical and quantitative reasoning; 2) to expose students to the development of knowledge by emphasizing major domains of thought and methods of inquiry; 3) to enable students to attain a breadth of knowledge that supports their specializations and contributes to their education in both personal and professional ways; and 4) to encourage students to make important connections across boundaries (for example: among disciplines; between the university and the external world; between the United States and other countries). It is the instructors' hope that we can enable our students to achieve these goals!

Biology 107 is the second of a 2-semester sequence in Introductory Biology designed primarily for non-majors. It begins with an exploration of the concept of animal homeostasis and expands on this by looking into the structure and function of the major animal organ systems, with emphasis on mammalian systems. The second part of the semester includes an examination of the structure and function of higher plants, as well as some major concepts in ecology and conservation biology. No credit will be awarded to students who are not appropriately enrolled by the official deadlines.

The general education natural sciences courses engage students in scientific exploration; foster their curiosity; enhance their enthusiasm for science; and enable them to apply scientific knowledge and reasoning to personal, professional and public decision-making. To achieve these goals, students are challenged to 1) Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding, 2) Recognize the scope and limits of science, 3) Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.) 4) Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information) 5) Participate in scientific inquiry and communicate the elements of the process.

It is strongly recommended that students successfully complete BIOL 103 *before* taking this course.

SUMMER SUGGESTIONS: Summer courses are generally concentrated, intense and fast-paced; this is especially true for a 4-credit laboratory course, with its extra time and study requirements. Although it is possible to complete the course successfully while taking other courses, working, or having significant family or other outside responsibilities, it is not recommended.

GMU e-mail: All George Mason students are issued an e-mail account. Instructors often find it convenient or necessary to e-mail individual students, or the class as a whole. The George Mason in-house policy is to use only the GMU e-mail accounts. Therefore, it is necessary for the students to activate and frequently check their GMU e-mail account to insure receiving messages in a timely fashion.

GMU ID's: All students are issued a GMU photo ID card. Please carry this with you, especially during exams, as it will be necessary for instructors to verify each student's identification. Instructors are not required to honor identification cards other than those issued by the University.

ATTENDANCE: Regular attendance in lecture is crucial to successful completion of this course. Studies have shown that students who attend each class perform far better than those whose attendance is irregular. Many important, interesting and subtle points can be made by instructors which may not be presented in the textbook. Instructors may also make announcements regarding changes in scheduling or material to be covered. Therefore, students are expected to attend every lecture, to arrive on time, and to remain until class is dismissed. **Students are responsible for being aware of all information and announcements presented in class, whether or not they are present.**

Students are also responsible for being sure they are properly enrolled in the course. If a student drops the course, he or she must see to the paperwork him or herself, and in a timely fashion. Instructors will not "automatically" drop a student who merely stops coming to class.

STUDENTS WITH DISABILITIES: We are happy to accommodate, in any way we can, students with disabilities. If you feel this would be helpful to you, you must contact the instructor as well as the Disability Resource Center (DRC) at 993-2474. All academic accommodations must be arranged through the DRC.

CLASSROOM BEHAVIOR: If something is not clear to you, by all means ask questions! A well-timed question can help everyone in class, even the instructor. Students are also expected to be respectful and considerate of one another as well as their instructors. To that end, please listen when someone else is talking, and **turn off all cell phones** or other noise-makers while in class or lab. If it is necessary to carry on activities that are not directly related to the material being presented in class, please conduct these activities elsewhere. In order to make the most effective use of both students' and instructor's time and energy, disruptive students may be required to leave the classroom.

HONOR CODE: The Biology Department strongly enforces the GMU Honor Code. Students are expected to read and adhere to the George Mason University Honor Code. **Ignorance of the Honor Code is no excuse for infractions thereof.** All work done in lecture and lab (exams, data sheets, quizzes, etc.) must be the sole work of the student. Copying data, falsifying data, cheating on exams and quizzes, failing to credit the work of others are all violations of the Honor Code and will be dealt with most seriously.

CANCELED CLASSES: If an examination is scheduled for a day on which classes are canceled due to weather or any other reason, the examination will be given during the next scheduled class. Call (703) 993-1000 for official notification of canceled classes.

LECTURE EXAMS AND QUIZZES: To evaluate understanding of lecture material, two lecture exams will be given, each worth 130 points. In addition, there will be a cumulative final exam, worth 250 points, which all students must take.

For the hourly and final exams, students will be required to bring with them one or two sharpened pencils with good erasers, a Scantron, and a valid GMU ID card. The use by students of electronic devises of any type is prohibited during exams. Lecture exams will begin promptly at the scheduled time. Students arriving late to an exam will be seated only at the discretion of the instructor, and will be given no extra time to take the exam. ***Once one student has finished and handed in an exam, no other, late arriving students will be allowed to take the exam - no exceptions!***

Final course grades are usually available via Patriot Web within 48 hours of the final exam. If you wish to have additional information regarding your grade, please provide the instructor with a stamped, self-addressed envelope prior to the final exam, or see the instructor in person after the grading period.

Graded Material	**Total Points**
Midterm Exams (2)	260
Online Homework (mastering biology)	140
Quizzes	60
Final Exam	250
TOTAL	**710**

Your final grade will be based on your points out of 710 (e.g., 639/710 = 90%, etc.)

WHERE TO GET HELP

If you encounter any difficulties in this course, see your lecture instructor, **immediately!** Do not wait until the end of the semester to ask for help in understanding the material in order to improve your grade - by then, it may be too late! Know your instructors' names, office hours, e-mail addresses and phone numbers; then use them! Do not "be afraid" to ask your instructors for help - that is their job!

The Counseling Center is committed to improving academic and personal skills, and offers many workshops and counseling groups throughout the semester.

Make use of the many rich academic and personal opportunities available at Mason!

Lecture Instructor _____ Lecture Section _____

Office Hours_____ Contact_____

Biology 107 Summer 2018
Lecture Schedule

Date	Lecture Topic	Chapters in Text
June 25	Tissues, Homeostasis	20
June 26	Digestive System	21
June 27	Respiratory System	22
June 28	Circulatory System	23
July 2	Immune System	24
July 3	**NO CLASS**	
July 4	**NO CLASS**	
July 5	**LECTURE EXAM I**	
July 9	Reproductive system	27
July 10	Endocrine system	26
July 11	Nervous System	28
July 12	Angiosperm Structure and Function	31
July 16	**LECTURE EXAM II**	
July 17	The Biosphere	34
July 18	Animal Behavior	35
July 19	Population Ecology	36
July 23	Communities & Ecosystems	37
July 24	Conservation Biology	38
July 25	Wrap up and Review	
July 26	**LECTURE FINAL EXAM**	