**Wayland Baptist University**

**School of Mathematics and Sciences**

**BIOL 1300- VC01: Life Science Virtual Campus Edition Spring, 2014**

**WAYLAND MISSION STATEMENT**: Wayland Baptist University exists to educate students in an academically challenging, learning-focused and distinctively Christian environment for professional success, lifelong learning and service to God and humankind.

**Instructor: Dr. Tracy Beedy**

**Adjunct Professor**

**Office: online (Plainview, TX)**

**Email: tracy.beedy@wayland.wbu.edu**

**CATALOG DESCRIPTION**: Life Science – A general Life Sciences course for non-science majors or minors that employs the scientific method to discover how living things are: organized, acquire materials & energy, respond to their environment, reproduce & develop, and adapt to their environment. Attention will be given to bio-ethical issues in contemporary biology.

**PREREQUISITES**: none

**TEXT**: Mader, Sylvia S. 2009. *Essentials of Biology, 3rd edition*. McGraw-Hill, New York.

ISBN-0-07-352551-0 (hard or soft cover OK)

**COURSE WEBSITE:** A course website has been established on WBU’s Blackboard server. Each student is **REQUIRED** to establish an active account for this website and to log on to BB regularly for posted lecture notes, messages, assignments, and handouts. In addition, it is **REQUIRED** that each student activate their student email accounts – this is the official means of communication between faculty and students. If you require assistance in getting this done, please contact the IT department at itsupport@wbu.edu.

**COURSE OUTCOME COMPETENCIES**:

Upon successful completion of this course, students will be able to:

 Explain how living organisms metabolize and self-perpetuate.

 Describe cell structure and relate structure to function.

 Compare and Contrast plants and animals in terms of morphology and physiology.

 Analyze ecosystems with respect to biotic and abiotic homeostasis, populations, communities and habitat.

 List and understand the basic classification of living organisms.

**PARTICIPATION POLICY**:

Your attendance is based on on-line quizzes, discussion, assignments, essays or reports, on-line exams, and proctored exams. Your classmates will depend on you to help construct an understanding of the material in the discussion boards. It is essential that you be in the classroom several times each week to truly participate. Assignments must be submitted on time. **Any assignments accepted by the instructor after the due date will lose 10% of the grade per day (24hr period).** Submissions are time-stamped in Blackboard (discussion or assignments). **Exams and quizzes will not be reopened.**

 All times and due dates will be US Central Time, observing daylight saving time.

**EXAMINATION SPECIAL REQUIREMENTS** There will be **TWO PROCTORED EXAMS** – one midterm exam and the final exam. Virtual Campus policies stipulate that **STUDENTS** must identify appropriate PROCTORS and that the proctors MUST BE PRE-APPROVED. Qualifications for acceptable proctors and procedures for getting them approved are posted on the Virtual Campus web page. See

http://www.wbu.edu/academics/online\_programs/proctor/proctorrequest.htm

**Therefore** **students MUST identify examination proctors IN ADVANCE and have them PRE-APPROVED NO LATER THAN the THIRD WEEK of the semester.**

**TIME COMMITMENT:**

If taken during an 11 week semester in a traditional classroom setting, this course would meet for about 3.5hrs per week. A good rule of thumb is that students should reserve at least as many hours outside of the class as they spend in-class to review material and complete assignments. While virtual campus students have the benefit of flexibility in scheduling when they will review lecture and laboratory materials, the content of the course is NOT reduced from the traditional format and will require AT LEAST the same level of effort as the in-class version of the course!

**Therefore – to succeed in this course, students should be prepared to invest a MINIMUM of 7 hours per week, with additional effort required to complete lecture assignments or to prepare for proctored exams.**

**COMMUNICATION** WBU email is the official means of electronic communication between faculty and students. Students are REQUIRED to activate their WBU email address to receive or send email to the instructor. Announcements distributed through Black Board will use only your WBU email address. The instructor is NOT RESPONSIBLE for communications students fail to receive, or the consequences of missed communication, if their WBU account is not set up and working properly. If you need assistance setting up your WBU email account, contact the IT support desk at 806-291-3540.

**TENTATIVE CLASS SCHEDULE:**

The attached class schedule is subject to modification by the instructor. Actual exam dates may change. These changes will be posted on Black Board to give students sufficient opportunity to adjust their schedules accordingly.

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| **Life Science (Biology 1300) Fall 2013 VC01**  **Tentative Course Schedule** | | | |
| **Week** | Chapter Readings | Discussion topics | Projects |
| **1** | 1,2 | Getting To Know You / Everyday Scientific Method |  |
| **2** | 3,4 | Biological Molecules and Life |  |
| **3** | 5,6,7 | How Do You Think About Energy? | Basal Metabolic Rate |
| **4** | 8,9 | Cell Division and DNA |  |
| **5** | 10,11 | Study Boards | Human Genome |
| **6** | Review & Exam | Genetics Problems-no grade |  |
| **7** | 23,24 | Why Train Aerobically? Organ Systems |  |
| **8** | 22,26 | Vaccinations |  |
| **9** | 30 | Animal Behaviorism |  |
| **10** | 31 | Biodiversity | Ecosystem |
| **11** | Review & Exam | Stewardship-Where Do You Fit In? |  |

**\* NOTE 1: Lecture and exam schedules are subject to change (Changes in schedules will be posted on Blackboard.)**

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| **\*\*NOTE 2: Reading assignments may include portions of certain chapters.** |
| **See Black Board announcements for specific reading assignments.** |

**DISABILITY STATEMENT**:

“In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291- 3765. Documentation of a disability must accompany any request for accommodations.”

**ACADEMIC HONESTY:**

The university policy regarding academic honesty will be adhered to in this course. Cheating of any kind on any exam will result in a failing grade for this course. Plagiarism on any written assignment will result in a zero for that assignment. Violation of the university’s academic honesty policy will be reported to the school academic dean and to the university provost. University policy now stipulates severe consequences for students who violate the academic honesty policy a second time. Students are referred to the current university catalog for further explanation of this policy and available appeal processes.