

Biology 111 – Principles of Biology I
Lecture Syllabus – Fall 2021

Instructor Information:

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Office Hours: TR 9:00 am – 11:00 am; F 1:00pm – 4:00pm; other times by appointment

Course Description: Biology 111 (Principles of Biology I) is a course that provides a strong foundation in the principles of biology for students majoring in a natural science, or the medical and healthcare fields. It is the first of a two-course sequence. Primary topics include biochemistry, cell structure and function, genetics, heredity, evolution, and modern applications of biology.

- *This course must be taken with its corresponding laboratory course, that is BIOL 111L.*

This course has been structured to afford you every opportunity to master the required material and to demonstrate your success in that endeavor. Students who enroll in this course are seeking rigorous preprofessional preparation. Nevertheless, you need not feel intimidated by the demanding career path you have selected. I am here to help you overcome any difficulties you may have with the course material and to help you do your best work. You will also find learning resources at the course website.

Required Materials: The following materials are required for this course. Any edition of a text is acceptable unless specified otherwise below.

- **Required Lecture Text:** Solomon, Eldra, et al. *Biology, 11th Edition*. United States, Cengage Learning, 2018. [This is our primary textbook for this course!]
- **Required Supplemental Text:** Minorsky, Peter V., et al. *Campbell Biology, 10th/11th Edition*. United States, Pearson College Division, 2020.
- **Required Supplemental Text:** Raven, Peter H., and Losos, Jonathan. *Biology, 9th Edition*. United States, McGraw-Hill Education, 2010.
- **Required Course Supplement:** Slavney, William F., *Biology 111 Lecture Supplement*. United States, Christian Brothers University, 2021.

Professionalism: It is good to form a habit of behaving in a professional manner. Behavior that is prohibited includes: the use of inappropriate language; playing with cell phones, tablets, laptops, and calculators in class; falling asleep; being disrespectful to the professor or fellow classmates; not addressing a teacher (or any faculty) by his/her appropriate title; putting legs/feet on tables or desks. If a student engages in any of this behavior, he/she may be removed from the class.

Shared Responsibility: I will in every instance treat students like rational, capable, and responsible adults they are. I take responsibility for making this class interesting, engaging, and informative. Students will be expected to take responsibility for their performance, active engagement, and satisfaction for of this course's rules and requirements. If you feel like you are in "trouble" in this course at any time – whether that regards matters related to assignments, exams, or comprehension of the material – please come speak to me sooner rather than later. We are not antagonists in this venture. I want every student to do well.

Personal Responsibility: I do expect a certain level of responsibility, maturity, and integrity from you. I have I very high expectations, and I am sure you can meet them. You've made it this far, which means

you have what it takes to get through this class. No excuses, and no giving up. Discuss any issues you may have with me as soon as they arise, and we will come up with a plan to tackle them. Understand, that while I want to see everyone do well and have no ill will towards anyone, it is **NOT** my responsibility to keep your GPA up, or to help you keep that scholarship, or whatever reason it is important that you do well here. These are your responsibilities. My responsibility is to facilitate you learning the material in this syllabus. I shall keep that responsibility. Please keep yours. Help me help you, and don't be shy or afraid to seek help when you need it. You can do well here; it will just take some directed effort and persistence.

Work Ethic: You are not to slack off! You are to read ahead! Very Important! Review each section before coming to class. It's better if you have your mind working on the concepts before coming to class—it will be easier for you to keep up and ask intelligent questions. Start working hard from day 1, don't put yourself in a position where you'll have to catch up. Prevention is better than cure. If you've taken this class before, you should be working harder than everyone else.

****** Class meetings will be used to highlight/supplement/complement the material in the texts; however, **you should NEVER expect me to “read” the text or assigned articles for you.** Regularly preparing for class and regularly attending class are two of the easier things you can do to be successful, but they are also two of the most important things you can do as well.

Classroom Learning Experience: Do not expect a homogeneous learning experience. This will not be the case and it is not good for you anyway. The text, my lectures, homework, and tests all have their place in helping you learn. Don't expect them to all be the same or cover the same material in the same way with the same level of difficulty. This is an unrealistic and unhelpful expectation. Throughout the course, I will be giving you the info you need to be prepared.

Attendance Policy: Students are expected to be on time and attend all classes. The first three absences are “free” (but not recommended—they should be reserved for righteous influenzas, deceased relatives, and other legitimate personal emergencies), the fourth absence and each additional absence automatically knocks the final semester grade in the course down by an entire letter grade. On the seventh absence, the student will automatically fail the course. Tardiness is also a problem! You get one human factor tardy, meaning there is no penalty. Each additional tardy after the first, however, lowers your final course grade by five points. (e.g. If you had a 93 and you have two tardies, your final grade would be an 88.) Also, leaving before I dismiss the class will be counted as an absence.

Absences have a way of snowballing. Trust me, I know the cycle: you don't finish an assignment, so you don't come to class, and then you're afraid to come back to class, but then you miss more assignments, so you miss more class. Just come to class, whether you have your work or not. I've seen near-geniuses fail due to absences. That said, don't B.S. me. You're an adult. Stuff happens. Don't waste your time or mine with elaborate excuses and doctors' notes.

Grades: The work that you do and the learning that you accomplish in this class are more important than your grade. I am aware that grades are important to you. However, if you come speak to me about your performance in this course, expect that our conversation will be about how to improve your work or your understanding of the material, not about how to improve your grade. Please note that your grade will be calculated as indicated below. You are all perfectly capable of determining your point total (and therefore your grade) at any given time. Thus, you should not ask me to help you calculate your grade. If you do, I will refer you to this document.

Grading Policy: As far as grading goes, letter grade assignments for this course will conform to the Christian Brothers University standard scale.

100 – 90 = A / 89 – 80 = B / 79 – 70 = C / 69 – 60 = D / 59 & below = F

Grading in this course will be based on the total points earned over the total possible points. Grades will

be based off the effort you put into this course. ***With that being said, I do not and will not round your final grade.*** If you have an 89.999% you will have a 89.0 (B) average for the course.

Exams: In this course, you will have four exams and a cumulative final exam. Each exam is worth 200 points. No exam scores will be curved or dropped. Review guides will be given in class and posted to my website about a week prior to the exam date. If you miss an exam, for any reason, it is a zero on that exam. No exceptions!

Quizzes: Quizzes will be given on a pretty frequent basis; some of them will be announced and some will not. Each quiz in this course is worth 20 points however only 300 points will be counted. This does mean that it is perfectly possible to have a quiz average above 100%. With that being said, I will not drop any quiz score. A missed quiz, just like a missed exam, is an automatic zero for that quiz. No exceptions!

Homework: Assignments will be given occasionally throughout the duration of the semester. Homework assignments in this class will always be graded for accuracy and are worth 10 points each. All homework must be turned in on the due date using the proper format and on time. ***NO*** late (or incorrectly formatted, I will discuss formatting in class) homework will be accepted under any circumstances. If the assignment is not turned in AT THE BEGINNING of the class period, before I start teaching in other words, in which homework is collected, a zero will be awarded for that assignment. Homework assignments can be found on the course website.

Course Deadlines: ***LATE WORK WILL NOT BE ACCEPTED!*** Only in a case involving unusual and documented circumstances can the student be given an extension on a deadline. I will employ the strictest possible definitions of “unusual” and “documented,” so be forewarned that it is exceedingly difficult (read: almost impossible) to warrant an extension. Being sick, although documentable, is not unusual and not merit an extension. Being abducted by aliens, although unusual, is not documentable and also will not merit an extension. In other words, consider deadlines in this course as “hard” deadlines.

Classroom Communication: Should there be a need that I have to contact the entire class, I will contact you via your college CBU email and post it to my website, so be sure to check your college email address and my website regularly. Please read the emails.

Office Hours: Don't be scared of coming to office hours! I genuinely enjoy talking to my students outside of class. If you're struggling or confused by some aspect of the class, don't wait until you're failing—come see me! However, don't feel like you need to have a major crisis. You're perfectly welcome to stop by for a casual chat or general guidance/questions. If you're not taking advantage of your professors' office hours, you're not fully taking advantage of the college experience. Individual access to experts in a variety of fields is a big part of what you're paying for.

Academic Honesty: Dishonesty of any kind will not be tolerated in this course. Dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. All policies for academic honesty will be strictly enforced in all that you do for this course. Grades are given as an evaluation of your work. Any attempt to pass somebody else's work as your own or being found in violation of academic honesty will earn you a grade of a F for the course as well as a possible academic dismissal from the institution.

Confidentiality of Academic Work: The Family Educational Rights and Privacy Act of 1974 recognizes specific rights held by you as a student. These include your right to consent or denial of

disclosure of your academic records, including any and all grades pertaining to this course. In accord with FERPA, apart from the following stated exceptions, I will not discuss your personal academic work in this course with anyone without your written consent, as filed with the Registrar. The exceptions are: 1) reporting your grades at the end of the semester to the Registrar, 2) cases where performance in the course is low to the point of potential failure in the final grade, in which case I may consult with the Academic Dean, 3) cases where, in my estimation, you may present a danger to yourself or to others.

Students, of course, are free to discuss the specifics of their personal academic performance with whomever they wish. However, the instructor will not be held responsible for any disclosures made by the student on the student's own volition, or for any consequences of such self-disclosures.

Students with Disabilities: Any student who may need class or test accommodations based on the impact of a disability is encouraged to speak with CBU's Dean of Students privately to discuss your specific needs. Students with disabilities should also contact Student Disability Services in the Thomas Center at (901) 321-3536. Student Disability Services coordinates reasonable accommodations for students with documented disabilities. If you have a disability or difference that requires assistance from the Office of Disability Services, please bring me documentation so that we can ensure that the proper arrangements will be made for you.

Finally, Good Luck and May God Bless You!

DISCLAIMER: I reserve the right to make any changes to this syllabus and its accompanying directives as circumstances internal or external to our learning experience may unfold in unanticipated ways throughout the semester.