BIOL 1306.RB1
General Biology I
Spring 2020
Instructor: Lara Gott, Dual Credit instructor

Office Location: Room 205
Office hours: M-F 2:50 pm – 4:00 pm
Co-requisites: BIOL 1106

Office phone: 325-453-4555
Email: lara.gott@rlisd.net or lgott@angelo.edu

Class Meeting Times/Dates:
Meeting Dates: January 13, 2020 – May 8, 2020
Lecture M-F 9:16 a.m. - 10:05 a.m.

Learning Objectives and Nature of the Course:
This course introduces the integration between structure and function of biological organization. You will be asked to use processes of science to apply principles of evolution, genetics, diversity, and ecology to living systems. Observation, experimentation, and investigation are emphasized. Biology 1306 requires a conceptual understanding of the material rather than the simple memorization and regurgitation of facts. This course will challenge you to analyze and apply information, solve problems, and make connections different from the context in which they were learned. These are critical skills in biology.

This course is intended for Biology majors and minors or those for which it is a degree requirement. It is not recommended for non-majors to fulfill a general education requirement for a laboratory course.

Instructional Materials
The activities associated with this course will include, but are not limited to, lecture, small group activities, cooperative group activities, writing experiences, internet and traditional-source research, and audio-visual presentations.

Required Text: Edition: 5th
ISBN: 9781260933437
Author: Brooker
Publisher: McGraw-Hill

Other: binder and ream of printer paper (for lecture notes)

Course Requirements - College 1306/1106 grade

<table>
<thead>
<tr>
<th>Points</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>500 points</td>
<td>Lecture exams (4 total)</td>
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<tr>
<td></td>
<td>Each exam = 100 points; final = 200</td>
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<tr>
<td>200 points</td>
<td>Quizzes/notes/activities</td>
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<tr>
<td>300 points</td>
<td>Lab points</td>
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Class Assessment/Grading

90% -100%  = A  
80% - 89%  = B  
70% - 79%  = C  
59.5% - 69% = D  
< 59.5%  = F

Grading for High School

College grade before the lab grade is added will be the grade for 3rd period. Six weeks grades will not be posted but I will give you updates.

Ten points will be added to your final grade for GPA purposes. Report cards will not show this.

Class work / Homework

All homework, classwork, and reading assignments should be completed before the beginning of the class period. No late work will be accepted. If you are absent the day an assignment is due, it will be due as soon as you return to class.

Exams

All exams are cumulative. Interpretation of data and applying concepts will be the basis for the questions on the exams. Questions will include lecture material, lab material, and assigned work. Make sure you understand the Student Learning Outcomes for each unit.

There will be no make-up exams. If you are absent on the day of an exam. You will not be able to take that exam. The final exam will replace the grade for the missed exam. Make sure you inform the instructor of school trips so exam dates can be worked out. The final exam will only replace one missed exam.

Everyone must take the final exam. No exceptions.

Last day to drop this course: March 26, 2020

Course Content and Rigor: College-level courses may include controversial, sensitive, and/or adult material. Students are expected to have the readiness for college-level rigor and content.

Confidentiality in Courses: Any personal information shared by students in college-level courses, either written or verbal, face-to-face or online, is not considered confidential nor does it fall under FERPA guidelines. Students should refrain from sharing information they do not wish to make public knowledge. The instructor reserves the right to report pertinent information to the appropriate administration if s/he feels that the student may be a danger to him/herself or others.
Learning objectives can be found at the following website.

https://docs.google.com/document/d/1SckQ8TRTvNhN7IntRY-FJZjePwcX17Uw_3cNywwvMKo/edit

Course Calendar

Unit 1: Biology as a science; Chemistry of Life; Cells;
Unit 2: Energy; Enzymes; Metabolism; Energy and Energy Transformations
Unit 3: Genetics
Unit 4: Biotechnology

Course Policies:

• Class will begin promptly at the scheduled time. Do not be late.
• Class members are expected to remain in class until dismissed by the instructor.
• Class members who leave class during an exam/quiz will be expected to turn in the exam/quiz regardless of whether the exam/quiz has been completed.
• Reading assignments and other out-of-class assignments are expected to be completed before the start of class.
• At all times cell phones and other electronic equipment will remain out of sight and turned off. The only exception to this is with permission from the instructor due to special circumstances of the student. **If your cell phone or electronic device interrupts class, the device will be confiscated and points will be deducted from your grade.**

Student Disability Services

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting:

Ms. Dallas A. Swafford
Director of Student Disability Services

• 325-942-2047
• dallas.swafford@angelo.edu
• Houston Harte University Center
Title IX

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

- Online: [www.angelo.edu/incident-form](http://www.angelo.edu/incident-form)
- Face to Face: Mayer Administration Building, Room 210
- Phone: 325-942-2022
- Email: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please visit: [www.angelo.edu/title-ix](http://www.angelo.edu/title-ix)

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.
Student Conduct Policies

Academic Integrity
Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject to disciplinary action and possible expulsion from ASU.

Academic Integrity

Plagiarism
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

Copyright Policy
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

General Policies Related to This Course
All students are required to follow the policies and procedures presented in these documents:

- Angelo State University Student Handbook
- Angelo State University Catalog
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<thead>
<tr>
<th>Week/date/Reading assignment</th>
<th>Class activities</th>
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<tbody>
<tr>
<td><strong>1</strong> January 13-16 Ch: 1-3</td>
<td>Concepts of Biology; Science; Chemistry of life; Biomolecules; water-necessity for life</td>
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<tr>
<td><strong>2</strong> January 21-24 Ch: 4-5</td>
<td>Origin of cells; Cell membranes- structure and function; organelles; Cellular structure; transport</td>
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<td><strong>3</strong> January 27-31 Ch: 9-10</td>
<td>Cell communication: Within the cell and between cells</td>
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<td><strong>4</strong> February 3-7</td>
<td>Wrap up and review. <strong>Exam 1</strong></td>
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<tr>
<td><strong>5</strong> February 10-14 Ch: 6</td>
<td>Energy; Enzymes; Metabolism</td>
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<td><strong>6</strong> February 17-21 Ch: 7</td>
<td>Energy Transformations – Cellular Respiration and Fermentation</td>
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<td><strong>7</strong> February 24-28 Ch: 8</td>
<td>Photosynthesis</td>
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<tr>
<td><strong>8</strong> March 2-6</td>
<td>Wrap up and review <strong>Exam 2</strong></td>
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<tr>
<td>March 9-13</td>
<td>Spring Break</td>
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<tr>
<td><strong>9</strong> March 16-20 Ch: 11-13</td>
<td>DNA Structure, Gene Function: How do cells use their genetic information? How do cells know what genetic information to use?</td>
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<tr>
<td><strong>10</strong> March 23-27 Ch: 14-16,2</td>
<td>DNA Replication, Cell Cycle, Mitosis: Why do cells replicate? How do they replicate? <strong>NOTE:</strong> <strong>March 26</strong> Last Day to Drop a Class for the regular Spring 2020 semester.</td>
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<tr>
<td><strong>11</strong> March 30 – April 3 Ch: 16</td>
<td>Sexual Reproduction, Meiosis</td>
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<td><strong>12</strong> April 6-9 Ch: 17-18</td>
<td>How is genetic information passed down from one generation - Mendelian inheritance</td>
</tr>
<tr>
<td><strong>13</strong> April 13-17</td>
<td>Wrap up and review. <strong>Exam 3</strong></td>
</tr>
<tr>
<td><strong>14</strong> April 20-24 Ch: 21</td>
<td>Biotechnology</td>
</tr>
<tr>
<td><strong>15</strong> April 27-May 1</td>
<td>Wrap up and review for Final Exam</td>
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<tr>
<td><strong>16</strong> May 4-6</td>
<td>FINAL EXAM WEEK</td>
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*Schedule is tentative and may be changed to meet the needs of the class*