## Course Calendar

<table>
<thead>
<tr>
<th>Week</th>
<th>TOPICS</th>
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<tbody>
<tr>
<td>1: Jan. 18-19</td>
<td>Th: Intro to class; lesson 1, Overview of Life’s Diversity</td>
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</tbody>
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| 2: Jan. 22-26 | Tu: Ch. 52 Intro to Ecology  
W: Quiz due in Brightspace. Must be submitted (not started) by @ 11:59 p.m.  
Th: Ch. 52, Ch. 53, Population Ecology |
| 3: Jan. 29-Feb. 2 | Tu: Ch. 53  
W: Quiz due (Ch. 52)  
Th: Ch. 54, Community Ecology |
| 4: Feb. 5-Feb. 9 | Tu: Ch. 22, Descent with Modification  
W: Quiz due (Ch. 53)  
Th: Ch. 22; Review |
| 5: Feb. 12-Feb. 16 | *Tu: Feb. 13 — exam 1  
Th: Ch. 23 Evolution of Populations |
| 6: Feb. 19-Feb. 23 | Tu: Ch. 24, Origin of Species  
W: Quiz due (Ch. 23)  
Th: Ch. 26, Phylogeny |
| 7: Feb. 26-Mar. 1 | Tu: Ch. 28, Protists  
W: Quiz due (Ch. 26)  
Th: Ch. 28, Review |
| 8: Mar. 4-8 | *Tu: Mar. 5 — exam 2  
Th: Film |
| 9: Mar. 18-22 | Tu: Ch. 29, Plants I  
W: Quiz due (Ch. 29)  
Th: Ch. 30, Plants II |
| 10: Mar. 25–29 | Tu: Ch. 31, Fungi  
W: Quiz due (Ch. 30)  
Th: Easter Holiday |
| 11: April 1–5 | Tu: Ch. 31; Review  
*Th: April 4 — exam 3 |
| 12: April 8–12 | Tu: Ch. 32, Animals Overview  
W: Quiz due (Ch. 32)  
Th: Ch. 33, Invertebrate Animals |
| 13: April 15–19 | Tu: Ch. 34, Vertebrate Animals  
W: Quiz due (Ch. 33)  
Th: Ch. 25, History of Life |
| 14: April 22–26 | Tu: Ch. 25, History of Life; Review  
*Th: April 25 — exam 4 |
| 15: April 29–May 3 | TBA |
| 16: May 6–10 | *Tu: May 7, 10:30 a.m., exam 5 (comprehensive) |
Welcome to BIOLOGY 1307! This course provides a comprehensive introduction to ecology, evolution, and the diversity of life.

COURSE CATALOG DESCRIPTION & CREDIT HOUR JUSTIFICATION: Fundamental principles of biological inquiry, scientific analysis, and concepts in ecological and evolutionary biology. Credit hour justification: 3 credit hours involving lectures, readings, homework, activities and assessments that represent 3 hours of class instruction and 6 hours out-of-class preparation per week. Co-requisite lab: BIOL 1107.

Instructor: Dr. Dan Bennett
Department: Biology; Office: S-210/211; Phone: (936) 468-5163; E-mail: bennettdj@sfasu.edu

Office hours: T, Th: 9:15–10:45, 3:30–4:30; widely available by appointment for other times.

DELIVERY MODE: The course is listed as “face-to-face & online.” This means that some (most) elements are provided face-to-face and online equivalents are provided for most lectures through videos and or livestream sessions in Zoom. It does not mean that a fully online experience is an option.

RECOMMENDED TEXT: Campbell Biology, Urry et al. 11th ed. (yellow flower on cover) or 12th ed. (purple flower on cover). Mastering Biology/online access code not required. I highly suggest reading the chapters corresponding with lecture material.

Course Website: https://d2l.sfasu.edu/. Check Brightspace for announcements, lecture slides and other materials. An announcement at the start of each week summarizes upcoming activities. Students are responsible for knowing the information provided in Brightspace announcements. The Brightspace Pulse app is suggested to be alerted when an announcement is posted.

GRADING POLICY
Lecture exams: the average score of exams comprises 65% of the final grade (best 4 out of 5 exams/4 @ 16.25% each). The lowest scoring exam is dropped from the grade calculation. Students may use this option on the comprehensive final.
Lecture quizzes: 10% of grade
Lab: 25% of grade
Grading scale: A = 90–100%; B = 80–89%; C = 70–79%; D = 60–69%; < 60% = F

Note that lecture and lab scores are combined. The combined result is applied to both lecture and lab courses. Thus, a student who earns a “C” in lab, an “A” in lecture, and a “B” overall will have a transcript showing “B” for both lecture (BIOL 1307) and lab (BIOL 1107) courses.

EXAMS: Exams are held face-to-face, are closed notes and don’t require a scantron or calculator. Seating may be assigned and students must arrive on time to avoid a detraction. Exams consist mostly of multiple-choice questions. Mid-semester exams mostly focus on material since the previous exam. If an exam is missed with an excused absence (see below), a makeup may be provided if taken prior to the next class session. If the exam cannot be taken in this time frame, the student may use their option to drop one exam on the missed exam.

QUIZZES: Open-book quizzes on Brightspace are due most Wednesdays according to the schedule provided in the course calendar. The lowest quiz score will be dropped from the grade calculation. This is the solution provided for a missed quiz due to illness, connectivity issues etc. Since answers are provided soon after quizzes are due, late quizzes are not accepted. However, if extraordinary circumstances are involved in repeated missed quizzes (e.g., hospitalization, death in the family etc.), communicate promptly with the instructor to discuss an appropriate accommodation.

ATTENDANCE POLICY: Attendance is taken randomly through bonus point pop quizzes. Students must be present face-to-face, on time, and well-behaved face-to-face in order receive the bonus points.

ACCEPTABLE STUDENT BEHAVIOR: Students who disrupt the learning environment may be assigned seats, asked to leave class and may be subject to judicial, academic or other penalties. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Instances of cheating or misconduct on a graded activity will result in a score of 0 and loss of eligibility for bonus points. Do not carry on a separate conversation that might be distracting to your neighbors. Keep cell phones silenced and stowed away. Students texting, arriving late, leaving early, sleeping, talking amongst themselves, not participating in activities, repeatedly returning to and from class, or otherwise misbehaving may be subject to loss of points may be dismissed from class. The use of a computer is allowed for taking notes only. Cheating on an exam will lead to a “0” score and may not comprise that which is dropped from the grade calculation.
ACADEMIC INTEGRITY
The Code of Student Conduct and Academic Integrity outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially.

WITHHELD GRADES (Semester Grades SFA Policy 5.5): Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. For additional information, go to https://www.sfasu.edu/policies/course-grades-5.5.pdf.

STUDENTS WITH DISABILITIES: To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, Room 325, 468-3004/468-1004 (TDD), as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/. Students are encouraged to meet with the professor during office hours regarding special needs. For additional information, go to http://www.sfasu.edu/disabilityservices/.

Student Wellness and Well-Being
SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc. If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:
The Dean of Students Office (Rusk Building, 3rd floor lobby)
www.sfasu.edu/deanofstudents
936.468.7249
dos@sfasu.edu

SFA Human Services Counseling Clinic Human Services, Room 202
www.sfasu.edu/humanservices/139.asp
936.468.1041

The Health and Wellness Hub “The Hub”
Location: corner of E. College and Raguet St.

To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person — mind, body and spirit. Services include:
• Health Services
• Counseling Services
• Student Outreach and Support
• Food Pantry
• Wellness Coaching
• Alcohol and Other Drug Education
www.sfasu.edu/thehub
936.468.4008
thehub@sfasu.edu

Crisis Resources:
• Burke 24-hour crisis line: 1.800.392.8343
• National Suicide Crisis Prevention: 9-8-8
• Suicide Prevention Lifeline: 1.800.273.TALK (8255)
Program Learning Outcomes (PLOs):
PLO 1. The student will demonstrate a good knowledge base in biological concepts. (SLOs 1, 5, 6)
PLO 2. Clearly articulate scientific information in oral form. (SLOs 3-6)
PLO 3. Clearly articulate scientific information in written form. (SLO 3-6)
PLO 4. Be able to design, carry out, and analyze experiments to answer biological questions. (SLOs 1, 2)
PLO 5. Demonstrate teamwork skills needed to coordinate diverse multidisciplinary teams to solve challenges in the biological world. (SLOs 2-4)

Student Learning Outcomes (SLOs):
After successful completion of this course student will be able to:
SLO 1. Demonstrate understanding of the process of science by distinguishing between science and non-science and designing experiments that address testable hypotheses.
SLO 2. Use qualitative reasoning to interpret evolutionary and ecological data (tables, figures and graphs) from primary research, theoretical and experimental models.
SLO 3. Demonstrate understanding of the skills and attitudes necessary for effective teamwork in collaborative learning activities.
SLO 4. Critically assess the interrelationship of human dimensions and ecology/evolution and communicate resulting conclusions in oral, visual and written formats.
SLO 5. Understand evolution as the unifying concept in biology.
SLO 6. Understand the factors that govern interactions between organisms and their environments.

General Education Core Curriculum: The Texas Higher Education Coordinating Board has identified six core learning objectives: Critical Thinking Skills, Communication Skills, Empirical and Quantitative Skills, Teamwork, Personal Responsibility, and Social Responsibility. SFA is committed to the improvement of its general education core curriculum by regular assessment of student performance on these six objectives. By enrolling in BIOL 1307 - Biology for Science Majors II (Lecture) - you are also enrolling in a Core Curriculum Course that fulfills the core objectives (COs) below.

Texas State Core Objectives and associated Student Learning Outcomes:
CO 1. Critical Thinking: to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. (SLOs 1-6)
CO 2. Communication Skills: to include effective development, interpretation and expression of ideas through written, oral and visual communication. (SLOs 3-6).
CO 3. Empirical and Quantitative Skills: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. (SLOs 1,2)
CO 4. Teamwork: to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. (SLO 2-4)