**Dual-Enrollment Biology 101/ AP Exam Day**

**AP Biology Fall 2024 May 5, 2025**

**Saraland High School**

**Teacher: Mrs. Bragdon**

Welcome to Dual-Enrollment Biology 101 / AP Biology! This is a rigorous, introductory college-level biology course structured around four central themes and six key science practices. The primary purpose of this course is to prepare you to succeed in future college courses, especially science, while providing an opportunity to earn college credit.

AP/DE students gain unique perspectives on real-world applications of biology through my involvement with Hudson Alpha’s CODE project and with research focused on biologically-inspired computing systems at the University of South Alabama. As a result, students will:

* Learn about the application of cutting-edge computing methods to biological research.
* Complete biologically relevant computing projects.
* Interact with scientists and experts in medicine, engineering, and computer science.

Since a second aim of this work is to optimize instructional methods used in science courses to best promote learning, you will be asked to sign a research consent form. Your consent will allow me to include your responses to class activities as part of on-going educational research. A separate handout provides more detailed information.

**Dual-Enrollment Biology 101 Credit**

Students taking DE Biology 101 must be registered with the University of Mobile. Upon course completion, students maintaining a “C” average or better will be awarded college credit.

There is a **$25 dual enrollment fee**, and a **$15 science lab fee**. These must be paid online at <https://paypams.com/>.

**AP Biology Exam**

All students receive instruction aligned with College Board’s AP Biology curriculum. However, participation in the national AP biology exam on May 5th is optional. Registration for this exam requires an additional exam fee payable through PayPams. Students with three or more qualifying scores on AP exams earn the designation of “AP Scholar” through College Board. Examinees are encouraged to attend ***Test Prep Tuesdays*** before school (**7:00 – 7:20 AM**) for additional review/exam prep activities during second semester.

**Final Exam**

***All students take a final exam for this course, counting as 20% of the final course grade.*** Registration for the AP exam does NOT exempt students from the final; a final exam is required for college credit through UM. Students work throughout the course to prepare for this 90-minute, 60 question multiple choice exam. The final is administered at the end of second quarter according to the school schedule. Scores are scaled using the unit exam scaling policy.

**Prerequisite Knowledge**

Students are expected to recall basic concepts and vocabulary terms from honors biology. Students are responsible for seeking remediation when not adequately prepared for a topic by reading and viewing the supplementary items listed on each unit overview. Students may attend **Tutoring Tuesdays** after school (**2:30 – 3:30 PM**) or by appointment for additional instructor led review. Remedial activities are not completed for credit.

**Attendance**

Regular attendance is essential. Students are responsible for keeping up with assignments in Schoology when absent. Assignment due dates and exams are announced in advance and must be taken or submitted as scheduled. Students must request modifications in advance for extenuating circumstances and contact the instructor as soon as possible following an emergency. Assignments or exams missed during unexcused absences receive no credit.

**Recommended DE/AP Biology Supplies**

* One (1) notebook & a 3-ring binder for class notes and handouts.
* One (1) pair of headphones or earbuds and two (2) or more packs of 2x3 lined index cards.

**Course Overview:** All units cover experimental design, statistics, & biotechnology. Large units are covered as series of small topics. Standards-based assessments for each quarter include 1 or 2 short topic tests, 2 full-length unit exams, 2 or 3 lab reports, and 1 or 2 research-based projects.

1st Quarter – Biochemistry & Cell Biology

Unit 1 Foundations of Biology

Unit 2 Cell Structure & Function

Unit 3 Cell Communication

Unit 4 Cell Metabolism & Respiration

2nd Quarter – Genetics & Molecular Biology

Unit 5 Energy in Ecosystems & Population Ecology

Unit 6 Speciation & Phylogeny

Unit 7 Cell Cycle & Heredity

Unit 8 Gene Expression & Population Genetics

**Course Expectations**

* Students are expected to be self-directed in pursing content knowledge and preparing for class.
* Students are expected to complete reading, note-taking, and video-viewing assignments outside of class time.
* Students should arrive prepared & actively participate in projects, peer-review activities, and labs.

**Student-Teacher Communication**

Students are expected to manage all aspects of their learning, including communicating with the instructor about absences, academic struggles, and grading concerns. You are encouraged to join Remind using the codes posted in class. As a college course, parent-teacher communication is kept to a minimum. *Families are encouraged to support students during this transition to higher education by asking about the student’s progress, emphasizing the importance of both timely submission of assignments and preparation for class / exams, as well as encouraging self-advocacy when a student has concerns about their work*.

**Class Norms**

To maintain a safe and conducive learning environment, all students will:

1. **Store phones on silent in the caddy and earbuds/headphones in backpacks**.
2. **Maintain Clear Aisles** – Store personal belongings and backpacks under assigned tables.
3. **Be Prompt and Prepared** – Be seated at assigned table with supplies out by the tardy bell.
4. **Stay Ready to Learn** – Remain seated and on-task during instruction.
5. **Show Respect** – by listening quietly, raising your hand to contribute to discussion, using polite and courteous language and actions, and by using lab equipment and classroom supplies correctly.

**Discipline** is progressive: verbal warnings, written warnings, parent contact, and administrative referrals are used dependent upon the nature of infraction. Please refer to the updated **Student/Parent Handbook** for important policies related to uniforms, truancy, and vaping:

<https://www.saralandboe.org/site/Default.aspx?PageType=1&SiteID=11&ChannelID=469&DirectoryType=6>

**Academic Honesty**

Students are required to adhere to the University of Mobile’s academic integrity policy and Saraland High School’s cheating policy. Violations will be reported to administration and recorded for cross-course monitoring purposes.

Plagiarism:

All submitted assignments (other than group tasks) are expected to be an original product of you, the individual student. Claiming another’s work as your own is plagiarism. This includes turning in assignments that are partially or wholly taken without attribution from another student’s work, from print sources, or from electronic sources. The penalty for plagiarizing any assignment is automatic failure of that assignment. All writing assignments will be submitted to www.turnitin.com to check for plagiarism.

Cheating

Cheating IS NOT tolerated. Cheating includes any form of providing questions or answers to in-class quizzes or tests. Both the provider and copier will be punished. Giving someone your work to look at counts as cheating. Using AI tools to generate essays also counts as cheating. If AI detection is made by www.turnitin.com, the student’s grade will be affected. The school’s disciplinary policy, as listed below, is strictly enforced:

**1st Offense**: Grade of zero given by teacher; admin referral.

 **2nd Offense**: Grade of zero given by teacher; removed from dual enrollment class; change of diploma status.

**Generative Artificial Intelligence Statement**

This course will allow—in some cases, even encourage—the use of generative artificial intelligence (GAI) techniques in some assignments. Unless otherwise indicated, the default is that this kind of use is prohibited. GAI use must be recognized and referenced. Academic misconduct will be the result of breaking this policy and could result in loss of credit for the assignment(s) as referenced in the cheating policy in the Saraland City Schools’ Student Handbook. It is the student's responsibility to follow the requirements of each course or assignment.

**Unit Exam Scoring**

Unit exams will be scaled to reflect AP Exam scoring and calculated as follows:

 **(√Raw Score) x 10 = Scaled Score**

So:*(√49) x 10 = 70*

 *(√64) x 10 = 80*

 *(√81) x 10 = 90*

**Grading Categories**

30% **Formative Activities** (class engagement, Khan Academy and AP Classroom practice & preparation, problem sets, vocabulary quizzes)

70% **Standards Based Assessments** (unit exams, topic tests, formal lab reports, projects)

**PowerSchool**

* 1 - missing assignment, submit for partial credit
* 0 - final grade, not eligible for make-up

**Assignment Due-Dates**

* Assignments must be submitted by the date and according to the directions posted in Schoology.
* **Late penalty** for formal lab reports and research projects: 15% reduction in possible points each day up to four days, then becomes a “0.”
* **Late penalty** for formative activities: 25% reduction in points each day for three days, then becomes a “0”.

**Technology Resources**

* Students are expected to access the Schoology course page, AP Classroom, and Khan Academy weekly.

|  |  |  |  |
| --- | --- | --- | --- |
| **Access Codes:** | **Block 2** | **Block 3** | **Block 4** |
| AP Classroom | E2AM93 | 23JJEJ | PEP7QE |
| Remind | @6dbda2 | @4c6d43b | @634hgfc |

Please know, I look forward to working with each of you during the 2024-2025 school year! Go SPARTANS! **~ Mrs. Bragdon**

**CELL PHONE/ELECTRONIC DEVICE POLICY**

Students with a Chromebook, tablet, or laptop at home are encouraged to bring their devices to school each day. Alternately, students will be assigned a Chromebook for use during class.

The SHS cell phone policy will be enforced as written in the Student Handbook. **This means cell phones will NOT be allowed out during class time for any reason. In addition, students are expected to remove earbuds and smart watches during class. These may be stored in a backpack or placed in the phone caddy.**

**Students will turn in phones at the beginning of each class period to the cell phone caddy. Phones must always be on silent mode.** If there is a family emergency or you need to contact your student during instructional time, please call the front office at 251-602-8970. Our office staff will locate the student immediately for emergencies or deliver messages as needed.

If a student refuses to turn in their phone to the proper location and is caught having their phone out during class time, for any reason without permission, they will be asked to turn in their phone at that time. It will then be delivered to an administrator, and the student will be permitted to pick it up after school. Subsequent offences are handled according to the guidelines in the Handbook.

**When Chromebooks or other devices are being used as instructional tools,**

 **the following rules must always be followed:**

1. Students will use and maintain individually assigned device.
2. Students will complete assignments related only to the instructional lesson.
3. Students will not send text messages or make calls to others inside or outside of class.
4. Students will not record any image, video, or audio of other students or the teacher without permission.
5. Students will not post any recordings or images to online websites without permission.
6. Students will practice internet safety with online resources.
7. Students will only send and post appropriate and authorized text, audio, and visual media only to websites approved by the teacher.
8. Students will sanitize device before connecting to the charger in the docking station at the end of class.

**Please Sign and Upload to Schoology –** *This copy should be saved as part of the student’s notebook or binder.*

My child and I have read and understand all of the following: the syllabus, including the statement on academic integrity, lab safety contract, and cell phone/electronic device policy. **We understand we will be held accountable for this information and any additional written or verbal instructions provided by the school district or my teacher.**

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Student Name (printed) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature

Date:

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Parent/Guardian Name (printed)

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Parent/Guardian Signature

Date: