



RANGER COLLEGE

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COURSE SYLLABUS

**General Biology II**

**Biol 1407**

**4 credit hours**

**INSTRUCTOR:**

**Gretchin Geye**

INSTRUCTOR: Gretchin Geye  
EMAIL: [ggeye@rangercollege.edu](mailto:ggeye@rangercollege.edu) (best method of contact)  
OFFICE: Brown County Campus – no office  
PHONE: 325-641-5726  
HOURS: By appointment online

### **I. Texas Core Curriculum Statement of Purpose**

Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

### **II. Course Description**

The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.

### **III. Required Background or Prerequisite**

Passing score on THEA Reading section or equivalent alternate test is recommended.

### **IV. Required Textbook and Course Materials**

**YOUR TEXTBOOK IS INCLUDED IN IncludEd (UNLESS YOU ARE DUAL CREDIT)!!! You will not receive a hard copy of the text, but will have the option to order a loose-leaf copy once you have registered for the McGraw-Hill Connect website.**

Connect Access Card for Biology: Concepts and Investigations

Hoefnagels 5e: Connect AC (2 semester) – ISBN [9781264354085](#)

### **V. Course Purpose**

Life Science courses focus on describing, explaining and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

## VI. Learning Outcomes

1. Describe the process of science as a way to understand the natural world.
2. Describe the cell as the basic unit of life.
3. Describe the major metabolic pathways in cellular respiration and photosynthesis, and the role of enzymes and high-energy molecules, such as ATP, in these processes.
4. Describe the diversity and characteristics of Prokaryotes, Protists, Fungi, Plants and Animals.
5. Describe the interactions of populations and communities.

## VII. Core Objectives

This course meets the following of the six Core Objectives established by Texas:

- ☒ **Critical Thinking Skills (CT)** – Creative thinking, innovation, inquiry, and analysis; evaluation and synthesis of information
- ☒ **Communication Skills (COM)** – effective development, interpretation and expression of ideas through written, oral, and visual communication
- ☒ **Empirical and Quantitative Skills (EQS)** – The manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- ☒ **Teamwork (TW)** – The ability to consider different points of view and to work effectively with others to support a shared purpose or goal
- ☐ **Social Responsibility (SR)** – Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
- ☐ **Personal Responsibility (PR)** – The ability to connect choices, actions, and consequences to ethical decision-making

### VIII. Methods of Instruction

Reading/lectures/notes

Online practice, homework

LearnSmart with Connect Lab Access

Labs in which major biological principles will be demonstrated by examination of specimens, conducting experiments and viewing videos virtually.

### IX. Methods of Assessment

Exams will consist of multiple choice and short answer questions and will cover all material discussed in class or in reading assignments. Each question will be graded as correct or incorrect in accordance with information in the text, lectures and readings. Exam grades will be taken as the points correct.

There will be NO MAKEUP EXAMS.

ONE LAB & 3 HOMEWORK (Practice/Learn Smart) will be dropped. (THIS REPRESENTS YOUR EXTRA CREDIT...there will be no other extra credit opportunities.)

The course grade will be computed as follows:

LEARN SMART	10%
DISCUSSION BOARDS	5%
EXAMS	35%
FINAL EXAM	25%
<u>LAB</u>	<u>25%</u>
	100%

Letter grades will be assigned as follows:

Grading scale: A = 90-100%   B = 80-89   C = 70-79   D = 60-69   F = Below 60

## X. Course/Classroom Policies

- 1) THE FINAL EXAM MUST BE PROCTORED!!!! This means that you will either need to come to one of the Ranger College campuses to take the exam OR use the online proctoring website ProctorU. You can find a link to ProctorU on blackboard.
- 2) It is important that you understand there is both a LECTURE COMPONENT (75%) and a LAB COMPONENT (25%), however, your grade will be ONE grade as a combination of both. You will need to be very diligent in staying on top of both parts. Please check the calendar weekly to keep up with assignments and their due dates.
- 3) **YOUR TEXTBOOK IS INCLUDED IN IncludEd (UNLESS YOU ARE DUAL CREDIT)!!!** You MUST have the electronic textbook so that you will have access to the CONNECT site (with LABS), if you have trouble connecting to this please email me. Please make certain that you are purchasing the correct version { Connect Access Card for Biology: Concepts and Investigations Hoefnagels 5e: Connect AC (2 semester) – ISBN [9781264354085](#)

Instructions for connecting are ON BLACKBOARD!

- 4) All assignments and exams are open at the beginning of the semester, therefore you may work at your own pace EXCEPT that assignments/labs/tests **DO HAVE DUE DATES** that will be strictly adhered to. All Learn Smart & Learn Smart Labs will auto-submit at the due date!!! Please pay attention to all due dates. These are included in the syllabus, the calendar & there will be weekly announcements with due dates as well. **I DO NOT ACCEPT LATE WORK!** Due to the fact that ALL Exams/Assignments are available at the beginning of the semester, you may NOT take an exam late! If you have an excused absence (athletic events and birthday parties are not excused events...you know about these ahead of time, plan accordingly) you may take the exam for a reduced grade! These are included in the syllabus, the calendar & there will be weekly announcements with due dates as well. **FINAL EXAM may NOT be taken early, per Ranger College policy.**

## XII. Non-Discrimination Statement

Admissions, employment, and program policies of Ranger College are nondiscriminatory in regard to race, creed, color, sex, age, disability, and national origin.

## XIII. ADA Statement

Ranger College provides a variety of services for students with learning and/or physical disabilities. Students are responsible for making initial contact with the Ranger College Counselor, Gabe Lewis ([glewis@rangercollege.edu](mailto:glewis@rangercollege.edu)). It is advisable to make this contact before or immediately after the semester begins.