

NORTHWEST FLORIDA STATE COLLEGE  
SCIENCE DEPARTMENT

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Class Title: **GENERAL BIOLOGY** Course ID: **BSC1005** \_\_\_\_\_ Term \_\_\_\_\_  
Ref. Num.: \_\_\_\_\_ Days: \_\_-\_\_ FWB campus, Science Bldg. 6 (46) Room \_\_\_\_\_  
Start Date: \_\_/\_\_/\_\_ Ending Date: \_\_/\_\_/\_\_ Start Time: \_\_:\_\_\_ Ending Time: \_\_:\_\_\_

Instructor: Dr. Lina R. Quiray  
Email: QuirayL@nwfsc.edu Office hours: after classes or by appointment  
Tel. No. (850) 863-6524 FWB campus, Faculty Center Bldg. 4, Room 404

Textbook: INQUIRY INTO LIFE, 14th Edition: Sylvia S. Mader, Michael Windelspecht

Course Material: The textbook will be the framework of course material and will be presented similarly. Materials from other sources presented in the lectures and reports will also be used for exam purposes.

There will be 4 Unit Exams. Make-up for the first 3 Unit Exams may be arranged with Ms. Shaffer at the Faculty Center after communicating the need with the instructor. There will be no make-up for the Final Exam Q4. Grading Legend: Q = big Unit Exam (Quiz)

**Q1, Q2 and Q3** are Unit Exams. **Q4** is a 100 point Final Exam that will cover all chapters taken with following breakdown:

Group reports = 30 points

All chapters taken = 70 points

Final Grade = (Q1+ Q2 + Q3 scores minus the lowest + Q4 + Group Grade Report) / 4

A Study Guide to prepare for the Finals will be given. Review will be conducted immediately before the dates of the group reports.

The grading scale will be: 90% = A    80% = B    60% = C    50% = D    < 50% = F

**GROUP DYNAMICS:** Write your own Biology book. Format of creative and scientific presentation:

Cover	IV. Test Questions: 5 items multiple choice, matching, or True or False
Dedication	
I. Outline	V. Glossary
II. Visual Aids or Specimen	VI. References
III. Body	VII. Acknowledgment

\* 1 hour limit on presentation. Submit one copy of your book at time of presentation.

Group grade will be the average of the professor's and the other groups' evaluations.

Springboard text references:

Group 1: Protists and Fungi.....	Ch. 29
Group 2: Plant Organization and Function.....	Ch. 9
Group 3: Plant Reproduction and Responses.....	Ch. 10
Plants; <i>Flowering Plant Life Cycle</i> .....	Ch. 30
Group 4: Animals: The Invertebrates.....	Ch. 31
Group 5: Animals: Chordates and Vertebrates.....	Ch. 32.1-32.3
Behavioral Ecology.....	Ch. 33
Group 6: Evolution of Life.....	Ch. 27.1-27.5
Evolution of the Hominins.....	Ch. 32.4
Evolution of Modern Humans.....	Ch. 32.5

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**BIOLOGY MEMORY MINDER**

Quiz 1: Chapters 1-8	The Study of Life; <i>The Process of Science; Levels of Biological Organization</i> ; The Molecules of Cells; Cell Structure and Function; Membrane Structure and Function; Cell Division; Metabolism; Cellular Respiration; Photosynthesis
Chapter 8.5	Photosynthesis Versus Cellular Respiration
Chapter 23-26	Patterns of Gene Inheritance; Chromosomal Basis of Inheritance; DNA Structure and Gene Expression; Biotechnology and Genomics
Chapter 27.6	Systematics; <i>Taxonomy and Phylogenetics; Linnaean Classification Versus Phylogenetics; The Three-Domain System of Classification</i>
Chapter 28	Microbiology; <i>Archae; Bacteria; Viruses, Viroids, and Prions</i>
Chapter 34	Population and Community Ecology; <i>Table 34.1 Ecological Terms</i>
Chapter 35	Nature of Ecosystems
Chapter 36	Major Ecosystems of the Biosphere
Chapter 37	Conservation Biology; <i>Working Toward a Sustainable Society</i>
Quiz 2: Chapter 11	Human Organization; <i>Types of Tissues; Integumentary System</i>
Chapter 12	Cardiovascular System
Chapter 13	Lymphatic and Immune Systems
Chapter 14	Digestive System and Nutrition
Chapter 15	Respiratory System
Quiz 3: Chapter 16	Urinary System and Excretion
Chapter 17	Nervous System
Chapter 18	Senses; <i>Sense of Vision; Sense of Hearing</i>
Chapter 19	Musculoskeletal System; * Group Dynamics *
Chapter 20	Endocrine System
Quiz 4: Chapter 21	Reproductive System
Chapter 22	Development and Aging

\* Group Reports \*; Comprehensive Q1 to Q3

Final Grade = (Q1+ Q2 + Q3 scores minus the lowest + Q4 + Group Grade Report) / 4

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**Student Learning Outcomes**

Students will demonstrate the ability to critically examine and evaluate scientific observation, hypothesis, or model construction, and the use of scientific method to explain the natural world. Students will successfully recognize and comprehend fundamental concepts, principles, and processes about the natural world.

**Student Rights, Responsibilities, and Academic Integrity**

Students are expected to familiarize themselves with all rules and regulations of the Northwest Florida State College. The NWFSC 2015-2016 Catalog can be accessed online at <http://catalog.nwfsc.edu/>. Students should know the rights and responsibilities detailed in the Student Handbook and adhere to all college policies and procedures, including those related to academic freedom, cheating, classroom conduct, computer/network/email use and other items in the Student Code of Conduct. Plagiarism, cheating, or other acts of academic dishonesty may trigger a failing grade or formal disciplinary action.

### **Incomplete Grades**

At the discretion of the instructor, an incomplete grade (“I”) may be awarded when the student is unable to finish the required work due to unforeseen extenuating circumstances such as illness or TDY assignment. To receive an “I” grade, the student must have successfully completed a significant portion of the required coursework and be able to finish the remaining work without attending class. An “I” grade will automatically convert to a grade of “F” if the student does not complete the remainder of the coursework by the established deadline.

### **Class Attendance**

Regular and prompt attendance in all classes is expected. It is the student’s responsibility to notify the instructor and arrange to complete any missed work. Students who stop attending class or are not able to pass the course due to attendance expectations stated in the syllabus may receive a failing grade of “FA.” An “FA” grade is a failing grade in GPA calculations and may impact the receipt of federal aid in subsequent courses.

### **Students with Disabilities**

For special needs and accommodations, register with Disability Support Services, located in the Niceville Campus, Student Services Center. For counseling, contact Tanya Fernandes: (850) 729-6079, email: fernandt@nwfsc.edu or go online: <http://www.nwfsc.edu/Students/StudentAffairs/Disability/>.

### **Emergency College Closure**

In the event of unusual or extraordinary circumstances, the schedule, requirements, and procedures in this course are subject to change. If the college closes for inclement weather or other emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college re-opens. A revised schedule will be given at the first regular class meeting. If changes to graded activities are required, students will not be penalized due to adjustments but will be responsible for meeting the revised deadlines.

### **Cell Phone / Electronic Devices / Student Email / D2L**

Cell phones, pagers and other electronic devices must be turned off during classes and lab activities. Communication by electronic devices, including but not limited to instant messaging, text messaging, and telephone calls during class activities is prohibited unless expressly designated as part of the class learning activities. During exams, students will be required to temporarily deposit their cell phones or other electronic communication devices with the instructor or lab supervisor. If employment situations require immediate access to such electronic devices, arrangements with the instructor should be made in advance. Personal e-mail addresses will not be used to communicate with students. For any problems with your college e-mail, call the IT department at (850) 729-5396. For any technical difficulties with D2L, contact Learning Technologies department at <http://ltech.nwfsc.edu/forms/studenthelpform.html>.

### **Participation, Attendance Documentation and Class Preparation**

Students are expected to engage with the subject matter from the book, ask questions, respond with answers and participate fully in the class session. There will be an attendance roster in each class session. Students are expected to have read the assigned readings/complete homework assignments before the class session. Lectures will cover highlights of the reading and include supplementary information. If you have trouble understanding what you read or hear, please ask for clarification in class or make an appointment to discuss the problem area(s).

### **Children in the Classroom**

Students may not bring children to class sessions. Health and safety concerns prohibit children from accompanying adult students in any lab or classroom where potential hazards exist.