

COURSE SYLLABUS

Instructor :	Frank T. Logiudice
Office :	Biology Building room 202c
Telephone :	407-823-2495
Email:	Frank.Logiudice@ucf.edu
Website:	Canvas Web Courses and http://logiudice.cos.ucf.edu/bsc1005/
Office hours:	M, T, & W 10:00-11:00 or by appointment

Course Description : “Biological Principles” is an introductory course designed for students who are not majoring in biology. The course is designed to give the student an overview of the basic biological principles.

Learning Outcomes;

- 1) To demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
- 2) To demonstrate an ability to assess the extent to which claims presented as “scientific” satisfy the empirical character of scientific explanations.
- 3) To demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

Attendance Policy : Due to the volume of material presented during this course, good attendance is a essential ! You alone are responsible for all missed work .

Academic Honesty: Please refer to the UCF Golden Rule which will be rigidly adhered to.

Grading : One optional comprehensive final lecture examination worth 100 points.
Three lecture exams worth 100 points each.
The lowest exam grade will be dropped.
Total points possible is 300
A = 300 - 270 points (300 – 277 A, 276 – 270 A-)
B = 269 - 240 points (269 – 263 B+, 262 – 247 B, 246 – 240 B-)
C = 239 - 210 points (239 – 233 C+, 232 – 217 C, 216 – 210 C-)
D = 209 - 180 points (209 – 203 D+, 202 – 187 D, 186 – 180 D-)
F = 179 - 0 points

Note: Plus/minus grades will be used for this course.

Make-up Policy : Lecture exams will not be made up under any circumstance. Since the lowest examination grade is dropped, a missed exam will constitute that lowest grade. Note: The lowest grade of four possible exams will be dropped.

Important Dates: Drop Deadline – 26 June
Withdrawal Deadline – 17 July

COURSE OUTLINE

Week	Subjects	On-Line-Notes
June 23	Introduction, Cell Structure and Function, Cell Division and Mitosis	pages 2 - 33
June 29	Cell Division and Mitosis (cont.), Meiosis, Basic Patterns of Inheritance	pages 34 - 51
July 6	Protection, Support, and Movement, Nervous System, Circulation	pages 52 - 75
July 13	Circulation (cont.), Respiration, Digestion and Human Nutrition	pages 76 - 91
July 20	Population Ecology, Community Interactions, Ecosystems	Pages 92 - 116
July 27	Extinction, Human Effects on the Biosphere	pages 117 - 138

Tentative Lecture Exam Schedule

Lecture Examination	Date	Lecture Exam Material
One	July 3	Unit 1 Notes
Two	July 17	Unit 2 Notes
Three	July 29	Unit 3 Notes
Final Exam	July 31	Comprehensive

NOTE : The dates for these exams may need to be changed as the semester progresses. If such becomes necessary, you will be notified at the earliest possible time. It is your responsibility to attend class and to keep informed.