

Lake-Sumter State College Course Syllabus

Course Information:

Course Prefix and Number: BSC 1011C

Course Title: General Biology II with Lab

CRN: 20193

Credit Hours: 4

Semester: Spring 2021

Class Days, Location, Time: Mondays: lecture **in class**, 8:00-9:20 am (room SM 105), Wednesdays: lectures are pre-recorded and will be made available on Canvas; Mondays: **laboratory**, 9:30-11:20 pm (room SM 105).

Course Description: This course is a continuation of General Biology I. Topics include surveys of the plant and animal kingdoms, comparative physiology of vertebrate and invertebrate systems, plant and animal development, evolution, and ecology. The course provides laboratory support for the concepts taught in lecture. Laboratory experiences include use of clinical microscope, dissections of selected animal and plant specimens, and field trips through the nature trail and other central Florida forests and fields.

Instructor Information:

Name: Steve Clark

E-Mail: clarks@lssc.edu

Office Location: South Lake, Science-Health, Room 214

Phone: 352-536-2124

Office Hours: by appointment through the following Zoom link

<https://lssc.zoom.us/j/4118990073?pwd=WkNMZnJsc2ZaTzI5aENhbFFOL3lwZz09>

Passcode: 223157

Vital Communication Information:

For e-mail, please note that all students are required to use Lakehawk Mail for official college e-mail communications. See the college webpage for instructions on activating Lakehawk Mail.

Sending a private message using the INBOX in Canvas is always the most secure method of contacting your instructor.

Please remember that any contact with your Instructor should be of a professional nature. If you leave a voice mail message be clear, concise, and include your contact and class information. Follow up verbal conversations with a written account via INBOX in Canvas or e-mail.

Prerequisites/Co-requisites:

Prerequisites: C or higher in BSC 1010C.

Co-requisites: None

Textbook & Other Course Materials:

Biology 2e, Rice University, OpenStax, ISBN 1-947172-52-2; free download [here](#).

Lab Exercise Packet provided on **Canvas** and must be brought to each laboratory session.

Technology Requirements:

Canvas is a required component of this course. Students unfamiliar with Canvas are expected to complete the Student Orientation course located in Canvas within the first week of classes.

See the [LSSC Student Technology Help Desk web page](#) for more information on how to obtain Microsoft Office 365 as an LSSC student.

Course Student Learning Outcomes:

The following outcomes will be assessed in this course. An “outcome” is defined as something students take with them beyond this course. After successful completion of this course, the student will:

Describe and identify components, assess and discuss results, as well as design (and/or implement) scientific experiments.

Critically evaluate qualitative and quantitative data, applying inductive reasoning to arrive at scientifically rational conclusions.

Demonstrate competency with the principles of the scientific method, as well as an appreciation for its purpose in obtaining results from a collection of carefully recorded objectively based observations representing the current level of knowledge as accepted by the scientific community.

Integrate basic concepts of chemical, physical, and biological processes into a cohesive awareness of the interrelationships that exist between them.

Course Objectives:

Objectives are defined as what the course will do and/or what the students will do as part of the course.

- Demonstrate proficiency discussing the central tenets of modern evolutionary theory to include providing scientifically based evidence to support.
- Outline the major events in Earth’s history and relate that to the rise and fall of species.
- Identify diagnostic characteristics of all major groups of organisms.
- Compile a collection of organisms of various types into an online ePortfolio field notebook to include discussions related to organism habitat, local and other general observations.
- Knowledgeably discuss aspects of ecological interactions between organisms.
- Describe current issues of conservation biology and evaluate possible solutions.

Institutional Policies & Procedures:

Academic Integrity:

The successful functioning of the academic community demands honesty, which is the basis of respect for both ideas and persons. In the academic community, there is an ongoing assumption of academic integrity at all levels. There is the expectation that work will be independently thoughtful and

responsible as to its sources of information and inspiration. Honesty is an appropriate consideration in other ways as well, including but not limited to the responsible use of library resources, responsible conduct in examinations, and the responsible use of the Internet. See the [college catalog](#) for complete statement.

Important Information for Students with Disabilities:

Any student with a documented disability who requires assistance or academic accommodations should contact the Student Accessibility Services immediately to discuss eligibility. The Student Accessibility Services (SAS) is located on the Leesburg Campus, but arrangements can be made to meet with a student on any campus. An appointment can be made by calling 352-365-3589 and specific information about SAS and potential services can be found at [Student Accessibility Services](#).

Privacy Policy (FERPA):

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part99) is a Federal law that protects the privacy of a student's education records. In order for your information to be released, a form must be signed and, in your records, located in the Admissions/Registrar's Office.

Zero-Tolerance for Violence Statement:

Lake-Sumter State College has a policy of zero tolerance for violence as stated in College Board Rule 2.17. Appropriate disciplinary action will be taken in accordance with Board Rule 2.17.

LSSC Safety Statement:

Lake-Sumter State College values the safety of all campus community members. **If you have an emergency, call 911.** Otherwise, to report a concern, suspicious activity, or to request a courtesy escort, call Campus Safety:

(352) 516-3795 Leesburg
(352) 536-2143 South Lake
(352) 303-7296 Sumter

LSSC also has a free safety app, **Lake-Sumter Safe** that is available for download. You will receive important emergency alerts and safety messages regarding campus safety via LSSC Alert. You are opted into this system when you become an LSSC student. For more information regarding safety and to view available resources, visit [Campus Safety](#) web page.

Attendance/Withdrawal Policies

Initial Attendance:

Initial attendance will be entered at the end of the second week of the semester/mini-mester. A student who has not met initial attendance requirements will be marked as "not-attending" and administratively withdrawn from the class. The withdrawn student is still financially responsible for the class. See the [college catalog](#) for more details.

Withdrawal:

Once the Add/Drop period passes, students deciding to discontinue class attendance and/or online participation have the responsibility for formal withdrawal by the withdrawal deadline.

Withdrawal Deadline:

29 March 2021

Instructor Policies:

You are expected to attend each in class lecture and laboratory and are responsible for obtaining any materials missed. Other particulars regarding attendance and withdrawal are outlined in the LSSC catalog. Attendance will be taken at the beginning of each class.

It is the student's responsibility to have an alternative plan if their main computer system fails or encounters technical issues that prevent the completion of required assignments by the specified due date (i.e., complete work on-site at a campus library or learning center, have a secondary computer available, etc.). **Computer hardware, software and/or printer problems are not acceptable excuses for incomplete or late assignments.**

Students who engage in any form of academic dishonesty (see Academic Integrity above) will be subjected to punitive action up to and **including removal from the class and receiving an "F"** for the course. If you have **any** questions regarding this policy, you should speak to the instructor.

Late Work/Extensions:

No make-up lecture or lab exams except for **documented** medical or family emergency reasons. **Late assignments will not be accepted.**

Classroom Etiquette:

Cell phones must be turned off or on mute if brought to class. You are not access your cell phone or other device unless directed by the instructor during certain classroom activities

Grading Information:

Grading Scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 59% and below

Methods of Evaluation:

All chapter assignments are due on exam days (the day you will take the exam over those chapters) by 8:00 am. Examinations may contain information covered on previous tests. Specifically, evaluation of your mastery of biological concepts and procedures will be determined as follows:

Assignment Overview & Grade Breakdown:

Category	Description	Points or %
Examinations	Lecture	400
Examinations	Laboratory	300
Other Assignments	Concept Maps and other online homework completed on Canvas	350
Project	Field Notebook	390

Course Calendar:

Week	Lecture chapters (Mondays in class; Wednesdays online)	Lab exercises (Mondays in class)	Items Due
11-Jan-21	Monday, Wednesday: Evolution (Chapter 18)	Field notebooks	Nothing due this week
18-Jan-21	Monday: MLK Day, no lecture Wednesday: Evolution (Chapter 19)	MLK Day, no lab	Nothing due this week
25-Jan-21	Monday, Wednesday: Evolution (Chapters 18-19)	Natural Selection (Exercise 1)	Nothing due this week
1-Feb-21	Monday, Wednesday: Evolution (Chapter 19)	Cladistics (Exercise 2)	Nothing due this week
8-Feb-21	Monday, Wednesday: Chapter 20	Prokaryotes (Exercise 3)	Nothing due this week
15-Feb-21	Monday: Lecture Exam I (Chapters 18-20), in class Wednesday: Prokaryotes (Chapter 22)	Protists (Exercise 4)	Chapters 18-20
22-Feb-21	Monday, Wednesday: Protists (Chapter 23)	Lab Practical I (1-4)	Nothing due this week
1-Mar-21	Monday, Wednesday: Fungi (Chapter 24)	Fungi (Exercise 5)	Nothing due this week
8-Mar-21	Monday, Wednesday: Seedless Plants (Chapter 25)	Seedless Plants, (Exercise 6, part 1)	Nothing due this week
15-Mar-21	Spring Break – no lectures	Spring Break – no lab	Chapters 22-24
22-Mar-21	Monday: Lecture Exam II (Chapters 22-24), in class Wednesday: Seed Plants (Chapter 26)	Seed Plants (Exercise 6, part 2)	Nothing due this week
29-Mar-21	Monday, Wednesday: Seed Plants, Animal Diversity (Chapters 26-27)	Animals (Exercise 7, part 1)	Nothing due this week
5-Apr-21	Monday: Lecture Exam III (Chapters 25-26), in class Wednesday: Animal Diversity, Invertebrates (Chapters 27-28)	Animals (Exercise 7, part 2)	Chapters 25-26
12-Apr-21	Monday, Wednesday: Invertebrates, Vertebrates (Chapters 28-29)	Animals (Exercise 7, part 3)	Field notebooks due by 8:00 am, Wednesday, 16 Apr 2021
19-Apr-21	Monday, Wednesday: Vertebrates (Chapter 29)	Lab Practical II (5-7)	Nothing due this week

Week	Lecture chapters (Mondays in class; Wednesdays online)	Lab exercises (Mondays in class)	Items Due
26-Apr-21	Monday (26 April): Lecture Exam IV (Chapters 27-29), 8:00-9:55 am, in class		Chapters 27-29

Basic Needs Statement:

Any student who faces challenges securing basic needs such as food or housing and believes this may affect their performance in the course is encouraged to contact a campus dean at deanofstudents@lssc.edu. The deans will then be able to share any resources at their disposal.

Syllabus Disclaimer:

Information contained in this syllabus is, to the best knowledge of this instructor, considered correct and complete when distributed to students. The instructor reserves the right, acting within policies and procedures of Lake-Sumter State College, to make necessary changes in course content or instructional techniques with notification to students.