

# **BSC 2011L-10 Course 4319:**

## **Biology II Organisms and Ecology**

### **INSTRUCTOR:**

Name: **James E. Ivey, Ph.D.**

Contact Information:

Email: ively.james@spcollege.edu

Phone: (727) 394-6003

Instructor Availability:

**Clearwater Campus:** Tues & Thurs; CL-NM265- 6:30-7:00 PM

**Seminole Campus:** SE-UP307; Mon 9:15-9:45 AM & Wed 10:45-11:15

The fastest way to reach the instructor is through the address email (ively.james@spcollege.edu).

Instructor Web Page: <http://www.spcollege.edu/instructors/id/2576>

### **ACADEMIC DEPARTMENT:**

Dean: **Dr. John Chapin**

Office Location: SE-UP 337B

Office Number: (727) 394-6695

Academic Chair: **Mike Stumpe**

Office Location: CL-NM213

Office Number: (727) 791-2535

### **COURSE INFORMATION:**

This laboratory introduces the student to the basic principles of biology. You receive a separate grade from the lab course that is independent of the lecture course. You may take the lab concurrent with the lecture, or sometime after completion of the lecture course. However, if you drop the lecture you must also drop the lab.

Course Goals:

1. The student will demonstrate an understanding of scientific method, measurement, and data collection.
2. The student will demonstrate an understanding of evolution and genetics.
3. The student will demonstrate an understanding of taxonomic classification systems.
4. The student will demonstrate an understanding of the physiology of plants and animals.

### **COURSE DESCRIPTION FOR BSC2011:**

Prerequisites: SC 2010 and BSC 2010L. Corequisite: BSC 2011. This is a laboratory experience to accompany Biology II. Laboratory exercises related to organisms and their environment are studied in detail and include: ecology, taxonomy, physiology, reproduction, and evolution. 45 contact hours.

## **REQUIRED TEXTBOOK & OTHER RESOURCE INFORMATION:**

**Required Text:** A Photographic Atlas for Biology. By Kent M. Van De Graaff, John L. Crawley - Morton Pub (2009) - Paperback - 280 pages - ISBN 0895828030

**Required Materials:** Notebook, Pen or pencil

Access to the Internet is required in order to download class information from ANGEL.

You **MUST** bring in the Atlas on week 2 and to every lab after that or you will not be able to work. You **MUST** check on Angel each week to see if you need to print out anything to bring to that week's lab. You must be responsible and be prepared for each and every lab. Failure to bring the Atlas or print out required for the day's lab will be considered non-participation..

Library: <http://www.spcollege.edu/central/libonline/>.

## **MEETING INFORMATION:**

Course Location: CL-NM265 Clearwater Campus

Meeting Days: Thurs

Class Times: 7:00 - 9:40 PM

## **IMPORTANT DATES:**

Course Dates: August 18 - Dec 12, 2014

Drop/Add: 08/22/2014

Drop Add Policy: <http://www.spcollege.edu/addendum/index.php>

College closed: Thanksgiving break, 11/24-11/28/2014

Withdrawal Date: 10/23/2014 (With WF afterwards)

Financial Aid: <http://www.spcollege.edu/getfunds/>

## **DISCIPLINE SPECIFIC INFORMATION:**

Each student's behavior in the classroom or Web course is expected to contribute to a positive learning/teaching environment, respecting the rights of others and their opportunity to learn. No student has the right to interfere with the teaching/learning process, including the posting of inappropriate materials in discussion forums or Web page sites.

The instructor has the authority to ask a disruptive student to leave the classroom, lab and to file disciplinary charges if disruptive behavior continues.

St. Petersburg College expects students to be honest in all of their academic work. St. Petersburg College has an Academic Honesty policy. It is your responsibility to be familiar with the policies, rules, and the consequences of violations. There is no tolerance for cheating and academic dishonesty. Discipline can range from a zero on a specific assignment to expulsion from the class with the grade of an F. SPC defines cheating as the improper taking or tendering of any information or material which shall be used to determine academic credit.

Taking of information includes, but is not limited to, copying graded homework assignments from another student; working together with another individual(s) on a take-home test or homework when not specifically permitted by the instructor; looking or attempting to look at another student's paper during an examination and; looking or attempting to look at text or notes during an examination when not permitted.

Tendering of information includes, but is not limited to, giving your work to another student to be used or copied; giving someone answers to exam questions either while the exam is being given or after having taken the exam; giving or selling a term paper or other written materials to another student and; sharing information on a graded assignment.

The instructor may assign a grade of F or zero to an assignment, test, exam or other course work or the entire course for admitted or alleged academic dishonesty.

**PLAGIARISM:** Note that copy/pasting published information, whether it's from your textbook or the Internet, without citing your source is plagiarism and violates this policy. Even if you have changed the words slightly, the ideas are someone else's so you still have to cite your sources. Cheating, plagiarism, bribery, misrepresentation, conspiracy, and fabrication are defined in Board Rule 6hx23-4.461. Student Affairs: Academic Honesty Guidelines, Classroom Behavior.

[http://www.spcollege.edu/webcentral/catalog/current/stu\\_affairs\\_honesty.htm](http://www.spcollege.edu/webcentral/catalog/current/stu_affairs_honesty.htm)

## **ATTENDANCE:**

The college-wide attendance policy is included in the Syllabus Addendum <http://www.spcollege.edu/central/asa/addendum.htm>. The policy notes that each instructor is to exercise professional judgment and define "active participation" in class (and therefore "attendance"), and publish that definition in each syllabus. For this class, that is as follows: You are expected to attend every class in its entirety. In the event of an absence, it is your responsibility to find out what lessons were covered and whether there is assigned work. PLEASE do not schedule appointments, work, trips to the airport, etc. during class time.

Attendance will be taken in class EVERY day. Students missing class are strongly encouraged to contact the professor within 24 hours to avoid unexcused absences. Documentation will be required in order to excuse an absence.

If you are late or must leave early you must notify the instructor or T.A. so that you will not be counted as absent.

Poor attendance and tardiness will count against you if your grade is borderline at the end of the semester.

Up to the withdrawal date, a student may go online and withdraw from the course with a grade of W. After the withdrawal date, students will be able to withdraw from the course but will receive a WF grade.

All cell phones and beepers must be turned off prior to entering the Class. If you have some personal emergency that requires a phone or beeper to be left on during a particular lab, you must clear that with the instructor at the start of the lab.

You may use laptops to take notes but on the first instance of any other use you will be asked not to bring it to class for the rest of the semester.

## **DISABILITY POLICY:**

If you wish to request accommodations as a student with a documented disability, please make an appointment with the Learning Specialist on campus. If you have documented hearing loss, please contact the Program for the Deaf/Hard of Hearing at 727-791-2628. If you will need assistance during an emergency classroom evacuation, please contact your campus learning specialist immediately about arrangements for your safety.

## **GRADING and ASSIGNMENTS:**

### **Exams**

There will be 3 practical exams covering the material from labs. You will be required to identify specimens and answer questions during a 45 minute practical exam. Each practical is worth 50 points. Practicals add up to 150 points possible. YOU CAN NOT MAKE UP ANY PRACTICAL EXAM. A missed practical will earn you 0 points on that practical.

### **Lab Reports**

There are a total of 12 labs or quizzes. Each lab will require attendance in order to be able to turn in a lab report or turn in the quiz. The completed reports are due at the beginning of lab the following week. Each lab report or quiz is worth

10 points for a total of 120 points possible. Labs must be written up in a specific format and will be graded on completeness, proper format and construction (including grammar, spelling and including the proper information under each section.) Instructions are in Angel. Grading Policy

The total points possible for the class are 270 regular points with 15 extra credit points. This the total of the three practical's and twelve assignments.

Extra credit opportunities MAY arise and can be found in the Extra Credit folder on Angel. Each opportunity is worth UP TO 5 points. You may do up to 3 extra credit activities and provide a 2-page written summary for credit. You must provide proof that you attended. Individual extra credit opportunities will not be offered- please do NOT even ask as this is not fair to your classmates. All extra credit must be turned in 1 WEEK prior to the final practical exam.

**The following course averages correspond to these grades:**

90-100 A (243-285 points)

80-89.9 B (216-242 points)

70-79.9 C (189-215 points)

60-69.9 D (162-188 points)

Below 60 F (< 162 points)

To calculate your grade at any time, divide the points you have earned by the points possible up to that time. If you need assistance, your instructor will explain how to calculate your grade.

## **EXAM POLICY:**

Dates and material covered on each practical exam can be found in your lab schedule on Angel.

All books, electronic devices (including phones and watches), hats, and sunglasses must be deposited at the back of the class before an exam.

You may not leave the classroom for ANY reason during an exam. Use the restroom BEFORE coming in to the exam.

## **CLASSROOM CIVILITY:**

Students are expected to assist in maintaining a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from time spent in class, unless otherwise approved by the instructor; students are prohibited from engaging in any other form of distraction. Inappropriate behavior in the classroom that disturbs the instructor or the students during the class period shall result, minimally, in a request to leave class.

In the interest of consideration for the professor as well as fellow students, students are asked to observe the following:

1. Students who arrive late or leave early should enter the room and walk around the back of the room without walking in front of the desk, PowerPoint projector or screen, or approach the front desk when the professor is addressing the class. Students who arrive late or leave early should sit as close to the door as possible and enter or leave quietly and unobtrusively, without slamming the door.
2. Exams and papers for students will be handed directly back to them. No one has authorization to look through stacks of papers for any reason.
3. All regrade requests should be written politely, concisely, and to the point within one week of receiving the paper.
4. Necessary conversation can be conducted outside of the classroom. Questions about course material can be asked of the professor during class as frequently as needed and IS ENCOURAGED.
5. The professor will grade tests in as timely a manner as possible. Tests will be returned in class; scores may be available on Angel prior to class. Exams are returned at the end of class

- with a few minutes to check answers against the key. Students who miss class when a test is returned should receive his/her test during office hours.
6. Please reserve questions about grading etc. that can wait, until the end of the class. It is necessary to get started on the lecture at the beginning of the class and interruptions delay the beginning of class. If it is an emergency that can't wait then you may approach the instructor.

### **STUDENTS' EXPECTATIONS AND INSTRUCTOR'S EXPECTATIONS:**

One of my primary areas of focus in this class is on the application of the scientific method. Students are expected to not just memorize but to apply their knowledge using scientific principles. My goal in this class is not to give you a good grade or a bad grade but that you learn and fundamentally understand the course material. However, if you apply yourself to this class, you will likely do well.

The material in this class is a mix of taxonomy, evolutionary biology, and ecology. This type of class involves a lot of identification of preserved organisms based on observable characteristics. To be successful, you need to do the work yourself and not rely on your lab partner to do all the work. Do not simply take a shot with your cell phone, but create drawings and take notes on your observations. Observation is the first step in the scientific method and observation is required to do well in this course.

Please review <http://www.spcollege.edu/central/asa/addendum.htm> for the college's policy on the following:

- Drop/add and audit
- Grading and repeat course policies
- Grading and repeat course policies
- Attendance/active participation/withdrawal policies
- Federal guidelines financial aid/total withdrawal
- CLAST changes
- Dual enrollment, Early admissions/college
- Academic honesty
- Student expectations
- Online student participation/conduct guidelines
- Emergency preparedness
- Campus safety & security
- Sexual predator information
- Special accommodations

### **STUDENT SURVEY OF INSTRUCTION:**

The student survey of instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

### **CLASS SCHEDULE:**

This schedule may be modified to accommodate unforeseen events. The classes are from 7:00 to 9:40 PM on Thursdays.

Date	Lab Topic	Lab #	Assignment
08/21/14	Sci.Method and Exper. design	1	
08/28/14	Experimental Design	2	Quiz Sci. Method & Exper. Design
09/04/14	Evolution	3	Lab report Experimental design
09/11/14	Protists/Algae Pressing	4	Lab report Evolution
09/18/14	Algae ID/ Lichens	5	Protists
09/25/14	Practical/ Plants 1		<b>Practical 1</b>
10/02/14	Plants 1	6	Lab report Algae ID and lichen
10/09/14	Plants 2	7	Quiz Lichens/ Plants 1
10/16/14	Plants finish/Fungi		Quiz Plants 2
10/23/14	Invertebrates 1	8	Lab Report - Plants 2
10/30/14	Invertebrates 2	9	<b>Practical 2</b>
11/06/14	Invertebrates 2	10	Invertebrates 1 Quiz
11/13/14	Thanksgiving break		Take a Break
11/20/14	Vertebrates	11	Invertebrates 2 Quiz
11/27/14	Plankton	12	Lab report-Invertebrate 2 & verts
12/04/14	CMA visit	13	Lab Report Plankton
12/11/14			<b>Practical 3</b> \CMA visit

**SIGNATURE PAGE:**

**I have read, understand, and agree to abide fully by the parameters set in this syllabus and Syllabus Addendum for BSC2001 , Summer 2014, course number 1397.**

I, \_\_\_\_\_, have read and fully understand the terms stated in the above syllabus and agree to all fully and completely with the understanding that failure to do so could result anywhere from failing the class to expulsion from the college.

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_