BSC1005 Life in its Biological Environ (C7 term. Ref# 2945)

PROFESSOR INFORMATION

Byres, David P.
David.Byres@fscj.edu

Instructor Response
You can expect a response to your Email or phone call within 24 – 48 hours.

OFFICE HOURS

<table>
<thead>
<tr>
<th>Days</th>
<th>Hours</th>
<th>Campus</th>
<th>Room</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>8:30 a.m. – 1:30 p.m.</td>
<td>South</td>
<td>D-119</td>
<td>(904) 646-2038</td>
</tr>
</tbody>
</table>

Course Description
Description: This course is an introduction to biological structure, function processes, principles and concepts. This course fulfills the General Education Requirement.
Prerequisites: None Corequisites: None. Degrees Offered: A.A., A.S

Course Information

<table>
<thead>
<tr>
<th>Course Number / Title:</th>
<th>BSC1005/Life in its Biological Environ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Credit Hours:</td>
<td>3</td>
</tr>
<tr>
<td>Term / Year / Session / Length:</td>
<td>Fall/2019/C/7</td>
</tr>
<tr>
<td>Class Begins</td>
<td>2019-10-21</td>
</tr>
<tr>
<td>100% Refund Deadline</td>
<td>2019-10-28 7:00 PM (ET)</td>
</tr>
<tr>
<td>Withdraw with &quot;W&quot; Deadline</td>
<td>2019-11-21 7:00 PM (ET)</td>
</tr>
<tr>
<td>Class Ends</td>
<td>2019-12-10</td>
</tr>
</tbody>
</table>
College Holiday(s)


These dates are critical for this course. Additional critical dates for this course can be found by clicking the appropriate term links in the online calendar http://www.fscj.edu/mydegree/academics/calendar/

COURSE LOCATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>Room</th>
<th>Times</th>
<th>Days</th>
<th>Session Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEC</td>
<td>Online</td>
<td>Online - Most activities online</td>
<td>-</td>
<td></td>
<td>2019-10-21 - 2019-12-10</td>
</tr>
</tbody>
</table>

NOTE: You must come into campus to take the lecture tests

INSTRUCTIONAL MATERIALS AND EQUIPMENT
If you have not done so already, obtain your textbook and related course materials. Visit your

**Optional Text / Materials Biology**; by Openstax (free download from: https://openstax.org/details/books/concepts-biology)

ONLINE DELIVERY SYSTEM
This course will be delivered using the Canvas™ course management system.

TECHNOLOGY REQUIREMENTS
Reliable and consistent computer and Internet access is encouraged to successfully participate in and complete online courses. Ensure that your computer meets the minimum system requirements noted below and on the Florida State College at Jacksonville Distance Learning/Online Courses site. Please use the following checklist to determine your computer readiness.

You should own or have access to:
- An email account
- Computer with high speed access to the Internet
- Access to College computers when needed
- Virus-checking software
- Word-processing software
- Software and plug-ins that may include (choose the titles for the free downloads)
  - Adobe Acrobat Reader (http://get.adobe.com/reader/)
  - Flash Player (http://get.adobe.com/flashplayer/completion/activex/?a=true)
  - RealPlayer (http://www.real.com/realplayer)
  - Shockwave Player (http://get.adobe.com/shockwave/)
ACCESSIBILITY

Florida State College at Jacksonville recognizes the importance of assisting and encouraging all students to reach their full potential. In accordance with the Americans with Disabilities Act (ADA), the Americans with Disabilities Act as amended in 2008, and Section 504 of the Rehabilitation Act of 1973, the College ensures that its admission requirements are uniformly applied, and that its services, activities, facilities and academic programs are accessible to and usable by all qualified students. The Office of Services for Students with Disabilities (OSSD) implements and coordinates reasonable accommodations and disability-related services to promote full participation of individuals with disabilities in all aspects of life.

The Rehabilitation Act defines a disability as an individual who has a physical, mental, or learning disability, which substantially limits one or more major life activity (i.e., seeing, hearing, speaking, walking, sitting, standing, breathing, reading, writing, or performing mathematical calculations, and caring for oneself); or who has a record of such impairment; or who is regarded as having such impairment. Both the impairment and the limitation of a major life activity must be established to be eligible under the ADA.

Please click here http://www.fscj.edu/admissions-aid/services-for-students-with-disabilities for more information.

COURSE INFORMATION

BSC 1005 : Life in its Biological Environment   Ref# 2945

INSTRUCTOR : Dr. David Byres   Office Phone: (904) 646-2038

OFFICE : D-119 (South Campus)    Email: David.Byres@fscj.edu

HOME PAGE (Website) : http://web.fscj.edu/David.Byres

TEXT: Biology; by Openstax: free download from https://openstaxcollege.org/textbooks/biology/get

1. Description: This online course gives a broad overview of Biology. There are no prerequisites and the course assumes that you have studied little, or no, biology before. We basically start from scratch. The course covers biochemistry, cell structure, genetics, evolution and ecology.

2. General outline: This course is a 3 credit hour course. Typically you would have 6 hours of lecture a week in a 7-week course, but in this online course, most of your work is done on the computer (see the schedule for details). You must come into campus, or to a proctored testing site, to take the four lecture tests.

3. Course outline and study hints. : This course is taught on the web. The online website will have notes that summarize the main information from the textbook. The online textbook is optional. If you need help understanding a topic, the textbook will explain the notes in more detail, and provides diagrams, photos etc so that you can understand the material. In addition, there will be Internet worksheet exercises that you will do to supplement the information. Finally, you will get points for contributing to online discussions.

To do well in this class I suggest that every week you:
1. Print out and study the essential notes from the website. All the test questions come from these notes, so you have to know this information.
2. Complete the Internet worksheet assigned for that week (see the schedule)
3. Post a comment on the weekly Discussion Board in the Canvas website
4. Before you take a lecture test, print out and answer the typical test questions without looking at the notes. All the answers are in the lecture notes, so you can then go back and grade your answers. That will give you a good idea of how well prepared you are for the test. It will also show you areas that you need to study in more detail before the test.

4. E-mail: In this online course E-mail will be an important method of communication. In any E-mail please include your name and the online course (BSC 1005 C7 term) at the bottom of the E-mail. Both E-mail and discussion forums require that you follow standard rules of "netiquette": do not write any offensive material. Any student that ignores this requirement will be withdrawn from the class. Note: all E-mail from your instructor will be sent to your FSCJ E-mail account, not your regular (such as Yahoo) E-mail. Make sure you check your FSCJ E-mail at least twice a week.

5. Tests: You will take 4 lecture tests during the semester. The lecture tests are based on the material in the essential notes. Tests will be a mixture of short answer, write a sentence and multiple choice. Each lecture test has 50 questions and is worth 150 points. To see which chapters are covered by a particular test, look at the schedule.

6. Worksheets: Internet exercises will be used to supplement the lecture notes. You will do 7 exercises. Note: this is individual work, so you need to do this work yourself. If two students hand in exactly the same answers they will both get 0 points for the worksheet. You should print out the worksheets, go to the websites listed and answer the questions. You should E-mail the completed worksheets to David.Byres@fscj.edu the week that they are due. Late work will not be accepted. The deadline for your assignments every week is midnight on Saturday (Eastern Time).

7. Discussion Board: Every week there will be an online Discussion Board set up in the Canvas website. Your comments will be graded for content and for correct spelling and grammar. Note that your initial comment must be posted before 11:59 p.m. on Thursday every week. You must also respond to two other students’ posts before 11:59 p.m. on Saturday.

8. Points:
   - 4 lecture tests (150 points each) 600 points
   - 7 Internet worksheets (each 25 points) 175 points
   - Online Discussion 225 points
   - Total points 1000 points

9. Grades: Students who are currently getting a passing grade and have completed 75% of the course, but are unable to complete the course may request an incomplete (I) grade. The request for the I grade must be in writing, and handed in at least one week before the end of the semester.

Grade scale: | Grade | Percent | Points |
-------------|--------|--------|
A            | 90 - 100 % | 900 - 1000 |
B            | 80 - 89.9 % | 800 - 899 |
C            | 70 - 79.9 % | 700 - 799 |
D            | 60 - 69.9 % | 600 - 699 |
F            | 0 - 59.9 %  | 0 - 599   |
10. **Important reminders**: Once you start the course, check the "Announcements" section of the online course website **at least every week** as this will have reminders about work that is due, and any changes to the schedule. **Note**: if you do not post any comment in the Discussion Boards, or submit any assignment in the first week of class you will be dropped from the course.

11. **Assistance**: If you are having difficulty with the course, please [E-mail me](mailto:) for additional help.

12. **Policy on repeating class**: Students may repeat a course in an attempt to improve a grade previously earned. State Board Rule 6A-14.0301 limits such attempts to courses where a D, F, or FN grade was earned, and limits to two the number of times a course grade may be forgiven. The official grade, and the grade used in calculating the GPA, shall be the last grade earned in the course. **In other words, a student may not repeat a course for which they have received a "C" grade or better.**

A student may have only three total attempts in any course, including the original grade, repeat grades, and withdrawals. Upon the third attempt in a course, the student must be given an A, B, C, D, or F. A fourth attempt may be allowed only through an academic appeals process based on major extenuating circumstances. On the 3rd attempt, out of state tuition is charged, which is about four times the in-state tuition.

**FN GRADE - FAILURE FOR NON-ATTENDANCE**
A Failure for Non-Attendance (FN) grade indicates that a student has failed a course due to non-attendance. It is calculated as an 'F' in the student's grade point average. For students receiving financial aid, failure for non-attendance may require the student to refund to the College all or part of his or her aid. The FN grade will be assigned by the faculty member at any time following the final withdrawal date for the course. See the College's page on Grading policies at: [http://fscj.edu/grading](http://fscj.edu/grading) for more information.

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**Fall Term, 2019 -- C7 -- Biology BSC1005**

**Tests**

There are four tests, that will each have 50 questions. The questions will be a mixture of multiple choice fill in the blank, matching, or write a sentence. Each test covers specific chapters of the lecture notes, as shown below. Click [here](http://fscj.edu/grading) to see typical test questions.

<table>
<thead>
<tr>
<th>Test</th>
<th>Chapters</th>
<th>Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>Chapters 1, 2, 3, 4</td>
<td>Week 2</td>
</tr>
<tr>
<td>Test 2</td>
<td>Chapters 5, 6, 7, 8</td>
<td>Week 4</td>
</tr>
<tr>
<td>Test 3</td>
<td>Chapters 9, 10, 11</td>
<td>Week 5</td>
</tr>
<tr>
<td>Test 4</td>
<td>Chapters 12, 13, 14</td>
<td>Week 7</td>
</tr>
</tbody>
</table>
### Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date (Mon)</th>
<th>Lecture notes</th>
<th>Tests</th>
<th>Internet Worksheets</th>
</tr>
</thead>
</table>
| 1    | 10/21       | 1: Scientific method  
2: Water, Cells  
3: Diet  
4: Earth warming | Test 1        | 1 : Scientific method |
| 2    | 10/28       | 3: Diet  
4: Earth warming  
5: Cancer  
6: Genetics | 3 : Organic molecules |           |
| 3    | 11/4        | 5: Cancer  
6: Genetics  
7: DNA detective  
8: Genetic engineering | Test 1        | 9 : Mitosis and cancer |
| 4    | 11/11       | 7: DNA detective  
8: Genetic engineering  
9: Evolution  
10: Natural selection  
11: Species and Race | Test 2        | 12: Biotechnology |
| 5    | 11/18       | 9: Evolution  
10: Natural selection  
11: Species and Race | Test 3        | 13: Evolution |
| 6    | 11/25       | 12: Biodiversity | Test 4        | 14: Human evolution |
| 7    | 12/2        | 13: Population ecology  
14: Community ecology | Test 4        | 16: Community ecology |

**Note:** the deadline for submitting your assignments (Internet worksheets and Discussion Board) every week is midnight on Saturday.

**Make-up work**
If you miss the deadline for the Discussion boards, or the Internet worksheets, you cannot make-up the assignment. If you miss a lecture test, Email me at David.Byres@fscj.edu to arrange a make-up test.