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**Valencia College**

**Course BSC1005 Biological Science 3 credit hours**

**Course Syllabus CRN 24178**

**Spring 2017**

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| **INSTRUCTOR** | **DR. LOIS CRICHLOW**  **Office: AHS-323** |
| **PHONE** | **407 582 1204** |
| **E-MAIL** | **lcrichlow@valenciacollege.edu** |
| **OFFICE HOURS** | **M W: 10-11:15 am; M: 1-2 pm; T R: 1-2:15 pm; R: 10:15 -11:15 am**  **F: (email/Blackboard): 9 – 12 noon** |
| **CLASS MEETING TIMES AND LOCATION** | **TR: 2:30-3:45 pm AHS 209** |
| **COURSE DESCRIPTION** | An introduction to essential principles of biological science. Topics include: the nature of science, chemistry for biology, cell structure, metabolism, cell reproduction and genetics, diversity of organisms and ecology |
| **VALENCIA STUDENT CORE COMPETENCIES** | 1. **Think**: clearly, critically and creatively, analyze, synthesize, integrate and evaluate **(lectures and examinations).** 2. **Value:** make reasoned value judgment and responsible commitments **(laboratory classes).** 3. **Communicate:** with different audiences and using varied means **(group work, written assignments and lab reports).** 4. **Act:** purposefully, reflectively and responsibly **(laboratory classes).** |

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| **TEXT** | Campbell’s Essential Biology: Simon, Reece, Dickey 6th Ed. |

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| **ATTENDANCE** | The college believes that regular attendance and class participation are significant factors, which promote success in college. Students are expected to attend all classes in which they are enrolled (Policy 6Hx28:10-22). Each instructor determines the specific attendance policy for his/her class, **but attendance must be recorded for each student.**  Students in BSC1005 (Biological Science) are expected to attend classes **regularly and on time. Students that are habitually late will be dropped from the class. Quizzes and tests cannot be made up.** |
| **WITHDRAWAL** | **The deadline for withdrawal (W grade) from this course is MARCH 31.** “A student who withdraws from class before the withdrawal deadlinewill receive a grade of “W.” A faculty member is permitted to withdraw a student from the faculty member's class up to the beginning of the final exam period, for violation of the faculty member's attendance policy, as published in the faculty member's syllabus. A student is not permitted to withdraw from this class ***after*** the withdrawal deadline; if you remain in the class after the withdrawal deadline, you can only receive a grade of A, B, C, D, F or I. An I grade will only be assigned under extraordinary circumstances that occur near the end of the semester. If you receive an I, the work missed must be made up during the following semester, at which time you will get an A, B,C,D or F. Failure to make up the work during the following semester will result in you getting a grade of F in the course. Any student who withdraws from this class during a third or subsequent attempt in this course will be assigned a grade of “F.” (Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals). **In this class a student missing 4 lectures will be withdrawn from the class.**  Before withdrawing from the class, you are advised to consult the professor and an advisor or counselor. **The drop/refund deadline is January 17 at 11:59 pm.** |
| **METHOD OF COURSE**  **EVALUATION** | **Chapter exams** (minimum 12, including final): **60%**  **Homework:**  **40%**  **NOTE:**  **Exams**: The format of exams may vary.  You will be given good notice of the dates/times of exams. Tests cannot be made up but the lowest test grade will be dropped. Grades will be posted on Blackboard and you are advised to check your progress regularly. |
| **ACADEMIC DISHONESTY** | **ANY WORK OBTAINED/PRODUCED BY DISHONEST MEANS WILL NOT BE GRADED.** |
| **GRADING SCALE:** | A: 90-100 C: 70-79  B: 80-89 D: 60-69  F: 0-59 |
| **EXTRA CREDIT** | Extra credit projects and/or activities are not part of this course. |
| **STUDENTS WITH DISABILITIES** | Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Student with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities **(SSB 102, 407 582 1523, West Campus).** |
| **ELECTRONICS** | Tape recorders are allowed. Laptop computers may be used in class for note-taking purposes only. **Cell phones on silent during class. Students must refrain from text messaging during class. Cell phones must be MUST NOT BE USED and must be out of sight for the duration of an exam.** |
| **STUDENT SECURITY**  **(Note from Campus Security)** | We want to reassure you that our security officers are here around the  clock to ensure the safety and security of the campus community. It’s  important to remain alert and aware of your surroundings, especially  during the early morning or evening hours. Remember that you can always  call security for an escort if you feel uncomfortable walking alone on  campus. While security phones can also be found in many of our  buildings; simply pick up the phone and security will answer.  Finally, report any suspicious persons to **West Campus Security at 407**  **582-1000, 407-582-1030** (after-hours number) or by using the yellow  emergency call boxes located on light poles in the parking lots and along  walkways. |
| **STUDENT SUPPORT** | **Baycare Behavioral Health’s Student Assistance Program:**  Valencia is committed to making sure all our students have a rewarding and successful college experience. To that purpose, Valencia students can get immediate help that may assist them with psychological issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. Students have 24-hour unlimited access to the **Baycare Behavioral Health’s confidential student assistance program** phone counseling services by calling **(800) 878-5470**. Three free confidential face-to-face counseling sessions are also available to students.” |
| **ACADEMIC SUPPORT** | I am always in my office during office hours and students are encouraged to take advantage of this opportunity.  **Tutoring Center: Bldg 7: 240 (Phone: 407 582 1633).**  **Online Tutoring: Available via Atlas: Go to my courses: Smart Thinking**  **Testing Center: Bldg 11: 142 (Phone 407 582 5369)** |
| **DISCLAIMER** | **Changes in the syllabus and/or schedule may be made at any time during the term at the discretion of the professor. Students will be notified of any changes in class and by email. Your continued participation in this class after the drop-add deadline period (January 19) constitutes an agreement with and an acceptance of the conditions presented in this syllabus.** |

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**Lecture Schedule: Spring 2017**

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| **WEEK OF** | **LECTURE** |
| Jan 9 | Ch 1: Introduction: Biology Today |
| Jan 16 | Ch 2: Essential Chemistry for Biology |
| Jan 23 | Ch 3: The Molecules of life |
| Jan 30 | Ch 4: A Tour of the Cell |
| Feb 6 | Ch 5: The Working Cell |
| Feb 13 | Ch 6: Cellular Respiration |
| Feb 20 | Ch 7: Photosynthesis |
| Feb 27 | Ch 8: Cellular reproduction |
| Mar 6 | Ch 9: Patterns of Inheritance |
| **Mar 13-19** | **Spring Break** |
| Mar 20 | Ch 10: The structure and function of DNA |
| Mar 27 | Ch 11: How Genes are Controlled |
| Apr 3 | Ch 12: DNA Technology |
| Apr 10 | Overview of the Living World |
| Apr 17 | Overview of the Living World |
| **Final Exam** | **Thursday April 27: 1 -3:30 pm.**  **Grades viewable on Atlas on May 2.** |

Classes do not meet on the following dates: **Jan 16, Feb 10 and Mar 13-19.** Term ends **May 1.**

**NOTE: Changes may be made to this schedule at any time at the discretion of the professor.**