I. Course and Instructor

Format: Web

Instructor Information:
Name: Nancy Cain
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Office Hours: Monday & Tuesday 1 - 4

Course Information:

Course Title: Science of Biology	Synonym Number: 71273 & 71274
Course Code: BIO-105-DS21 & DS22	Credits: 4
Semester: Spring 2013	Prerequisite: College level reading
Start Date: 01/14/13	End Date: 05/3/13
Refund Date: 01/30/13	Withdraw Date: 04/07/13

Orientation Note: Instructor will contact students via email.

Computer Access:
Online courses require frequent computer use and access to the internet. It is highly recommended that students have a personal computer for use in online courses. If you need to use a computer at your local Colorado Mountain College location, you will be able to do so during open lab hours. Please check with your local site for times. Labs will not be available for Collaborate web conferencing sessions, if included as part of your course, due to the verbal interaction involved.

If you have general questions about online learning, please contact **Colorado Mountain College Online Learning** at 800-621-8559, extension 8341 or virtual@coloradomtn.edu.

No-show reporting and financial aid: If you have not completed your introductory assignment(s) in Canvas by Tuesday, January 22nd you will be reported as a no-show and dropped from the course. The resultant loss in credit hours may cause a reduction and/or cancellation of your financial aid award. Neither financial aid awards nor class reinstatement can occur after this point without significant documented extenuating circumstances. If you have questions or concerns about this please contact your campus financial aid specialist. (**www.coloradomtn.edu/web/departments/financial_aid**)

II. Course Description:

Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Explores biology as a science - a process of gaining new knowledge - as is the impact of biological science on society. Includes laboratory experiences. Designed for non-science majors. This course is one of the Statewide Guaranteed Transfer courses. GTSC1

III. Student Learning Outcomes, Competencies, and Skills:

Recognize terminology, specific facts, experimental methodologies, and general concepts related to the nature of cells and tissues, principles of inheritance, evolution and diversity of life, relationship of structure and function, and principles of ecology. Apply the concepts learned to interpret new situations. Distinguish between principles and purposes of procedures and techniques introduced in the laboratory. Inspect the role of research in the biological sciences and become aware of its impact on society. Experience the scientific method by examining current and/or classical research. Demonstrate the ability to select and apply contemporary forms of technology to solve problems or compile information. Write and speak clearly and logically in presentations and essays. Read, analyze, and apply written material to new situations. Utilize mathematic principles inherent to scientific research and analysis of biological concepts.

IV. IDEA Student Ratings of Instruction:

Learning fundamental principles, generalizations, or theories.
Learning to apply course material (to improve thinking, problem solving, and decisions).
Developing skill in expressing oneself orally or in writing.
Learning how to find and use resources for answering questions or solving problems.

V. Methods and Class Management:

1. This course consists of 12 lessons, 10 labs, and 3 discussion board assignments. Each lesson consists of one initial question and 4 to 8 questions to answer from the text. Lessons, labs, and discussion board assignments will be worth 20 points each. You may view your current grade for the class via the Canvas web site at any time.

2. Read and complete each assignment. The class is set up with approximately one lesson and one lab or discussion board assignment assigned each week. In an effort to keep you from falling too far behind yet accommodating students with emergencies the class has been divided into thirds. Ideally you will turn in one lesson and lab each week, the first 4 lessons and labs will be available until midnight on **February 11** at which time they will "disappear". This means you cannot turn in lessons 1 – 4 or labs 1 - 4 after that date – no excuses. Likewise lessons and labs 5 – 8 will not be accepted after midnight on **March 25** while lessons and labs 9-12 will not be accepted after **5 pm Friday May 3**.

3. You may certainly turn in assignments early. This is a great idea just in case something comes up at the last minute. Plan ahead. Please don't email me telling me that your internet connection went down or that your dog ate your laptop.

4. Start your course work as soon as you get your materials. All work must be submitted electronically, either via the Canvas site or email. Please Note, work must be submitted in one of the following file formats: .doc, .docx, .rtf, .jpg, .png, or .pdf. If you have any questions or concerns please contact me. Do not try and submit work in .wps form! It is an older version which my computers will not open.

5. I will take points off for misspelled words, incomplete sentences and poor grammar. Papers need to reflect college level work. Please note that many students are used to using abbreviated terms when communicating which can be great for texting, but not appropriate for college work.

6. This class frequently requires researching answers. Seeking information from multiple sources is encouraged, but copying answers is not. Answers must be written in your own words. If a quotation or paraphrase is essential to your answer, it must be properly cited. Plagiarism will result in a zero for the assignment.

7. Grades will be assigned based on the following scale: A = 90% and up, B = 80% to 89%, C = 70% to 79%, D = 60 to 69%, F = below 60%

NOTICE:

A student judged to have engaged in academic misconduct as defined in the "Academic Policies and Requirements" section of the Colorado Mountain College Student Handbook will, at a minimum, receive a "zero" for the work in question. The student may also be removed from the class, resulting in a failing grade. All student course material may be submitted to Turnitin (or another anti-plagiarism program) at the instructor's discretion. "Academic Expectations," the "Student Code of Conduct and Judicial Process" and more information about academic misconduct can be found in the Student Handbook, online version at: **www.coloradomtn.edu/File/student_handbook.pdf.**

Students are responsible for course materials from assigned text(s) and reading, lectures, labs, and other assignments as required.

The instructor may alter any, or all, of this syllabus during the semester as the learning environment requires. Students will be notified of changes in the Canvas course shell.

If you have a disability protected by the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act and feel you may need classroom accommodations based on the impact of your disability, please contact the Disability Services Coordinator on your campus.

- Edwards and Steamboat Springs: Deb Farmer at 970-870-4450
- Aspen, Carbondale, Glenwood Springs (including Spring Valley), and Rifle: Dr. Anne Moll at 970-947-8256
- Breckenridge, Dillon, Leadville, and Chaffee County: Sandi Conner at 719-486-4200

Students wishing to withdraw from this course must INITIATE the course withdrawal/drop process at the site Registration Office.

This class could be cancelled one week prior to the census date if a sufficient number of students are not enrolled by that date.

VI. Grading System & Options:

Information about grading is available in the Colorado Mountain College catalog. You will receive a grade report for current semester courses at the end of each term. This grade report is mailed to your permanent mailing address. Reports are mailed approximately two weeks after the end of the academic term. Additional information is available at: **http://catalog.coloradomtn.edu/content.php?catoid=3&navoid=620#Grading_System_and_Options_**

VII. Required Course Materials

The text book required for this course is ***Biology concepts and applications*, eighth edition by Cecie Starr** ISBN 978-1-4390-4673-9. You may order the book through Follet or any other source.

Important this class also requires a lab kit. The kit required is the **Biology Kit BK-105 produced by LabPaq which is located in Denver. Cost is approximately $200 plus shipping.** Order from**:** **http://ww.holscience.com/** Click: "ORDER HERE" Log In: C000061 Password: labpaq Telephone: 866-206-0773, Fax: 720-420-4925

Ordering Books

Colorado Mountain College has chosen to partner with Follett Virtual Bookstores to operate textbook services. You will find the official textbook list at **www.coloradomtn.bkstr.com**. If you ever have any online bookstore questions, you can email coloradomtn@fvb.follett.com or call 800-621-4088.

Students can sell back books anytime online or in-person at Follett's CMC buyback events. Sign up for the online store's email list at **www.coloradomtn.bkstr.com/email** for more information on future buyback dates/times and to receive other important messages from Follett.

Ordering Textbooks with Financial Aid:
Students wishing to use their Financial Aid to purchase their textbooks from the Colorado Mountain College Online Bookstore (Follett) may be set up with a *CMC Flex Pay account*. Contact your local CMC Accounts Manager for instructions and your specific username and password information. If you are not close to a CMC site contact CMC Online Learning at 970-947-8341 or virtual@coloradomtn.edu.

VIII. Other Information:

The best method for contacting the instructor is via email or through the message site on Canvas. Although this course is suitable for individual work, some students work better in a group setting. The instructor will try to connect students who desire to work with other students in their area when requested. Please note that while working

together is encouraged, each student must submit their own work written in their own words.

Copied work will result in a zero for all parties involved.

There will be a couple of optional field trips - one to the Downtown Aquarium and another to the Colorado Gator Farm and Great Sand Dunes which you may attend for a lab. More detailed information will be posted on Canvas.

All course information and grades will be posted on Canvas. All work must be submitted electronically - save some trees!

Canvas
Canvas by Instructure is the online learning management system (LMS) used by Colorado Mountain College. You access Canvas via your web browser, i.e.: Mozilla/Firefox, Internet Explorer, Opera, etc. Students, faculty and staff members use the CMC Canvas site to access course announcements, documents, research links and library resources, to receive and deliver completed assignments, take tests, and to communicate with each other via email, discussion boards and chat.

For instructions on How to Access your Canvas Account, Canvas How To's, and who to contact for all your Canvas questions and support needs, please visit: **www.coloradomtn.edu/web/departments/faq-for-students**.

Student Email
All CMC students enrolled in a credit-based class (0.5 hour credit class or more) will be assigned a CMC student email address through Google mail (Gmail). Please allow at least 48 hours after you register for this account to be activated. For more information on your CMC student email account, please visit the Student page of the MyCMC Portal: **mycmc.coloradomtn.edu**.

Virtual Library Information
http://library.coloradomtn.edu/content.php?pid=349163&sid=2891178

The Virtual Library has its doors open 24/7, providing access to thousands of online journals and newspapers, books and art images, downloadable videos and audio books, career resources and practice tests.

If you need help with the Virtual Library, email reference@coloradomtn.edu or call us at 800-621-8559, extension 2926.

Colorado Mountain College Online Learning
Information is available at: **www.coloradomtn.edu/online_learning/.**