



I. **Course and Instructor** Bio 216, Kimberly Harding, PhD

Format: Web

Instructor Information:

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Course Information:

Course Title: Human Pathophysiology

Synonym Number: 71279 & 73813

Course Code: BIO-216-DS21 & DS22

Credits: 4

Semester: Spring 2013

Prerequisite: BIO-202

Start Date: 01/14/13

End Date: 05/03/13

Refund Date: 01/30/13

Withdraw Date: 04/07/13

Orientation Note: Please note, on the **Canvas site**, under **“Syllabus”** there is a document entitled **“Getting Through Pathophysiology On-Line”**. Please read this document carefully to gain greater understanding of the course format.

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.

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.

PLEASE NOTE THIS:

YOU MUST COMPLETE THE FIRST INTRODUCTORY ASSIGNMENT BY TUESDAY, JANUARY 22nd, per the following. (Introductory assignment information is found in this document in the “Methods and Class Management” section.)

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:

Focuses on the alterations in physiological, cellular, and biochemical processes, the associated homeostatic responses, and the manifestations of disease. Prior knowledge of cellular biology, anatomy, and physiology is essential for the study of pathophysiology

III. Student Learning Outcomes, Competencies, and Skills:

- I. Explain the etiology of disease states and imbalances.
- II. Analyze how health deviations alter normal physiology.
- III. Describe the alterations in cells, tissues, and organs that occur with disease and the effects they have on total body function.
- IV. Relate the manifestations of diseases to their underlying cellular mechanisms.

IV. IDEA Student Ratings of Instruction:

Gaining factual knowledge (terminology, classifications, methods, trends).
Learning fundamental principles, generalizations, or theories.
Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course.

V. Methods and Class Management:

THIS COURSE IS ORGANIZED INTO MODULES> PLEASE REFER TO CANVAS SITE FOR A MORE DETAILED DESCRIPTION OF EACH MODULE'S ACTIVITIES.

MODULES	CHAPTERS Lippincott Text	CASES and ASSIGNMENTS Bruyere, Case Study Book (numbers indicate case number)
INTRODUCTORY ASSIGNMENT DUE BY TUESDAY JAN 22 or YOU WILL BE DROPPED FROM THE CLASS	Fundamentals-1	Fundamentals Sheet
ONE- DUE 2/4/2013* *by 5 p.m.	Cancer-2 Fluid/Electrolyte-4 Genetics-5	Ovarian Cancer-67 Malignant melanoma-83 Anorexia Nervosa-96 Diabetes, Type I-53 Down Syndrome- 60 (As an option- can SUBSTITUTE a case of your own creation in relation to chapter topics in Unit 1. See notes on "Getting Through Document" on Canvas/under Syllabus)
TWO- DUE 2/25/2013 * *by 5 p.m.	Skin-16 Musculoskeletal-10 Nerve-8 Special Senses-15* *No intro sheet for "Special Sense"- please just read chapter.	Psoriasis- 84 Osteoarthritis- 78 Osteoporosis- 79 Acute Meningitis-36 Alzheimers-38 Complex Partial Seizure-40 Open-angle glaucoma-95 (As an option- can SUBSTITUTE a case of your own creation in relation to chapter topics in Unit 2.)
THREE- DUE 3/25/2013 * *by 5 p.m. Spring Break : Mar. 11-15	Cardiac-6 Respiratory-7 Hematology-11	Mini-cardiac cases PLUS- <i>Choose Two of the Following:</i> <i>Hypovolemic Shock - 6</i> <i>Congestive Heart Failure -3</i> <i>Acute Myocardial Infarction- 1</i> Mini-respiratory Cases PLUS- <i>Choose Two of the Following:</i> <i>Asthma -12</i> <i>Pneumonia -13</i> <i>COPD- 14</i> Both of the following: Sickle Cell Anemia- 89 Acute Lymphoblastic Leukemia-85

<p>FOUR- DUE 4/15/2013 * *by 5 p.m.</p>	<p>Renal-14 Gastrointestinal-9</p>	<p><i>Please choose six of the following:</i> Create 3 renal mini-cases (see notes on "Getting Through" document) Dialysis-32 Chronic Renal Failure- 31 Cirrhosis-18 Diarrhea-22 Ulcerative colitis- 28 Hepatitis- 29</p>
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Please note: The chapter order is designed to follow, with slight variation, the topic order of the A and P I and II courses.

Chapter 3 Infection is skipped because microbiology covers infectious disease. However, I have included some infectious diseases (such as Hepatitis and Meningitis) in the assigned cases.

Evaluation and Grading (Further details provided on the Canvas site. Please refer to "Getting Through" document under syllabus section.)

Assigned Case Studies- Each Assigned Case Study is worth 15 points

Discussion Board or "Additional Case Questions"- Each Required Discussion Board or Additional Case Question set is worth 5 points [Must do one or the other for each case.]

Class Grades will be Calculated as Follows:

This is a "Total Points" class. Your grade will be based on the percentage of the total points that you earn.

- 100-92% = A
- 91-90% = A-
- 89-88% = B+
- 87-82% = B
- 81%-80% = B-
- 79-78% = C+
- 77-72%= C
- 71-70% = C-
- 69-68% = D+
- 67-63% = D
- 61-60% = D-

Classroom Management

No late assignments will be accepted. You must be motivated and prepared to complete all assignments in the time frame provided.

If you negatively impact learning by other students in the class or the instructor's ability to effectively manage the course – you will be removed from the class.

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**

Professional Guide to Pathophysiology (Professional Guide Series)

Publisher as Author

Lippincott, Williams, and Wilkins, 3rd edition.

ISBN: 978-1605477664

100 Case Studies in Pathophysiology

Harold J. Bruyere, Jr.

Lippincott, Williams, and Wilkins

ISBN: 978-0-7817-6145-1

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:

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.

A Few Words About Microsoft Word

Microsoft Word is the standard word processing program for the majority of CMC instructors. Students without Microsoft Word may use the free software from www.OpenOffice.org to create Word-compatible documents. The program also includes spreadsheet, presentation, drawing, and database applications. The program is available for Windows, Macintosh, or Linux operating systems. Microsoft Word is installed on computers available in computer labs at CMC locations.

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/.