

BCMB 4120

David Puett and Harry Dailey

Syllabus is for Fall 02

- Course assignments include required reading of instructor-generated material (copies distributed in class or posted on the web) and sections of textbooks (on reserve in the Science Library).
- Four in-class closed book examinations, valued at 25% each, constitute the final grade. (Honors students enrolled for 6120 credit must submit a 10-page term paper on a topic approved by the instructors. The paper can add a maximum of 3 points to the final numerical score.)
- The final letter grade is based on the four examinations (plus the term paper for Honors students).
- Students are expected to attend all classes.
- All required reading material is either distributed in class, posted on the web, or placed on reserve in the Science Library. (Students are not required to purchase a textbook).
- If examinations are missed for medical reasons, students must present a signed certification from a physician to the instructor giving the reason for missing the examination. The medical excuse must document the nature of the illness that prevented the examination to be taken as scheduled. If examinations are missed for personal reasons, one of the following two courses of action must be taken (a) If an emergency arises on the day before or the day of the examination that prevents the student from attending class at the scheduled examination time, a signed excuse from the Office of the Vice President of Instruction must be given to the instructor responsible for the examination, or (b) If an important activity is scheduled that conflicts with the scheduled examination time, the student must inform the instructors a minimum of two weeks before the examination and arrange a suitable time for a make-up examination. Make-up examinations must be completed within one week of the scheduled time. If a student wishes to request regrading of an examination paper, he/she must submit the paper in question to the instructor along with a written statement explaining why the grading is perceived to be in error. The examination to be regraded, along with the written statement, cannot be submitted to the instructor until 24 hours after the graded paper was returned and must be submitted no later than one (1) week after the paper was returned.
- Students are encouraged to adhere to posted office hours for meetings with the instructor, but appointments for a specific time, not corresponding to office hours, can be made with the instructor.
- The lecture/examination schedule is given on the accompanying page.

HUMAN BIOCHEMISTRY AND DISEASE (BCMB 4120/6120)**3:30 - 4:45 P.M., TUESDAY & THURSDAY, FALL 2002, C-127 LIFE SCIENCES BLDG.**

<u>Date</u>	<u>Topic</u>	<u>Instructor</u>
Aug. 20	Introd. to Course & Overview of Signaling Mechanisms	Puett
22	Neurochemistry & Neuropathology	Puett
27	Muscle Biochemistry & Pathophysiology	Puett
29	Biochemistry & Pathophysiology of Digestion	Puett
Sept. 3	Acid Base Balance via Lung & Kidney Function	Puett
5	Biochemistry & Pathophysiology of the Immune System	Puett
10	Biochemistry of Connective Tissue, Bone & Ca ²⁺ Homeostasis	Puett
12	Exam 1 (8/20-9/10)	Puett
17	Hepatic Biochemistry & Pathophysiology	Puett
19	Cholesterol Metabolism & Steroidogenesis	Puett
24	Integrative Carbohydrate & Lipid Metabolism	Puett
26	Integrative Metabolism & Diabetes	Puett
Oct. 1	Adrenal/Thyroid Endocrinology & Pathophysiology	Puett
3	Reproductive Endocrinology & Pathophysiology	Puett
8	Sexual Differentiation: Normal & Aberrant	Puett
10	Exam 2 (9/17-10/8)	Dailey
15	Genetics of Inherited Diseases	Dailey
17	Development & Erythropoiesis	Dailey
22	Biochemistry of Blood	Dailey
24	Iron Metabolism & Hemochromatosis	Dailey
29	Red Cell Metabolism, Hemoglobinopathies & Thalassemias	Dailey
31	Fall Break - No Class	No Class
Nov. 5	Heme Biosynthesis & Porphyrins	Dailey
7	Heme Degradation & Hyperbilirubinemias	Dailey
12	Exam 3 (10/15 - 11/7)	Dailey
14	Tumor Biology: Regulation of the Cell Cycle	Puett
19	Tumor Biology: Mechanisms of Cell Transformation	Puett
21	Congestive Heart Failure*	Eisner
26	Diabetes Mellitus*	Eisner
28	Thanksgiving Holiday - No Class	No Class
Dec. 3	Evaluating the Clinical Usefulness of Bioc. Tests in Clin. Med.*	Galen
5	Application of Stem Cells in Human Disease*	Stice
12	Exam 4 (11/14 - 12/5, 12:00 – 3:00 p.m.)	Puett/Others

*Clinical Correlation

Instructors:

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Grading: The four (4) exams are valued at 25% each. Students enrolled for Honors credit should see Dr. Puett at the beginning of the semester.