

I. Instructor of Record:

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Class 11:00~11:50 AM, B340, Monday, Wednesday, and Friday

II. Course Prerequisites/Corequisites

Acceptance into the COP and enrollment or credit in PHRD 420

III. Course Description

Students will be introduced to disease processes at a cellular level. The course will serve as an introduction to pathophysiology building on the anatomy and physiology courses that students have already completed.

IV. Objectives and Outcomes

The constant objective for the course is to introduce the student to basic principles of the ways that medications work in the body. Additionally some time will be spent introducing how to elect certain medications for certain patients. *At the end of this course, the student should be able to:*

Predict physiological reactions to numerous challenges at a cellular level.

Utilize information to explain the pathological basis of disease.

V. Instructional Methods and Activities: Instructional methods may include: traditional and technology-driven lectures with in-class discussion, quizzes and exams, and outside of class assignments.

VI. Evaluation and Grade Assignment: The material will be divided into three units; a 100-point examination will be administered after each unit. A comprehensive final examination will cover material presented in the units 1-3, and will be worth 100 points. The total points out of a maximum of 400 earned from these will be divided by 4 to yield an average value, which will be graded according to the following scale:

90-100=A
80-89 =B
70-79 =C
60-69 =D
0-59 =F

Students have seven business days to review their test after the exams.

VII. Class Policies and Procedures

At a minimum, all policies stated in the current ULM *Student Policy Manual & Organizational Handbook* should be followed (see <http://www.ulm.edu/studentpolicy/>). Additional class policies include:

- **Required Textbook:** Pathophysiology-the biological basis for disease in adults and children, 5th Ed. By Kathryn L McCance and Sue E. Huether, published by Elsevier.

- **Preparation for class:** For each class there will be lecture notes posted online at least 3 days before the class day. For each lecture notes, there will be *Expected Outcomes* mentioned in the outline which should be met at the conclusion of the topic. The notes may also contain few problems which should be worked out by the student before attending the class. These problems will be the basis of discussion in the class. Therefore, it is mandatory that you come prepared to discuss the scheduled topic and problems.

- **In-Class quizzes:** For each class period, there will be a quiz administered either at the beginning, during or at end of the class. The quizzes will contain multiple choice, true/false, and/or fill in the blank type questions. As there could be unexpected emergencies, a student is allowed to miss up to 2 quizzes during the course period. There is no need to submit proof of medical condition or the situation you were involved in. As you have the convenience to miss two quizzes, there will be no make-up quizzes administered. Students, who are able to take all the quizzes, will have the option to drop their two lowest grades from consideration.

- **Take-home assignments:** Assignments for each lecture will be available simultaneously with the class notes and are due on the date mentioned in the *class schedule*. There will also be a few sets of practice problems with answers posted which will be similar to the actual assignment. Students should work on these practice problems before working on the assignments. The grades of these assignments will be added to the final grade. As you will have ample time to work on and submit each of the assignments online before the due date, there are no make-up assignments available.

- **Exams:** Four examinations will be administered during the course. The dates of exams are mentioned in the *class schedule*. While the first three exams (*Exam 1, 2 & 3*) will be progress exams covering only selected lecture topics mentioned in the *class schedule*, the final exam (*Exam 4*) will be comprehensive in nature covering ALL the topics covered in the course. Additionally, as your knowledge of the course builds up based on proper understanding of preceding lecture topics, it shouldn't be surprising to expect occasionally some overlapping material, belonging to preceding lecture topics, asked in later progress exams. An unexcused

absence for an exam will result in a grade of zero for that exam. If the absence was unpredictable (e.g. medical emergency), a written notice should be submitted as soon as possible along with the supporting document to the instructor and/or the office of student affairs. If the absence for an exam is predictable (e.g. scheduled surgery), a prior approval should be obtained from the instructor and/or the office of student affairs. When deemed legitimate, a makeup exam similar to the actual exam will be administered to the absentee.

- **Attendance Policy:** We reserve the right to give several "pop" tests which may alter the grading scale by as much as 10 per cent, at our discretion. The faculty declined request regarding the pop test.

- **Make-up Policy:** According to the university policy, Make-up exams will be given during the period of finals, provided you have a bona fide excuse at least 24 hours prior to the scheduled test time. Students not taking the final during the scheduled time will be given an "I" for the course. All make-up exams may be of the subjective "essay" type.

- **Academic Integrity:** Faculty and students must observe the ULM published policy on Academic Dishonesty (see Page 4 in ULM Student Policy Manual - <http://www.ulm.edu/studentpolicy/>).

- **Course Evaluation Policy:** At a minimum, students are expected to complete the on-line course evaluation. (Also, include any additional course-specific policies related to evaluation of the course.)

- **Student Services:** Information about ULM student services, such as Student Success Center(<http://ulm.edu/cass/>), Counseling Center (<http://ulm.edu/counselingcenter/>), Special Needs (<http://ulm.edu/counselingcenter/special.htm>) and Student Health Services, is available at the following Student Services web site <http://ulm.edu/studentaffairs/>

- **Emergency Procedures:** Check the emergency escape plan posted in the hall outside of the classroom. Move quickly and safely to the appropriate exit. Notify you instructor if you or anyone else needs assistance.

- **Discipline/Course Specific Policies: NA**

Date	Lecture	Instructor
	Unit I: Cell and Tissue Function	
1. M; Aug 24	Cellular Biology; Chapter 1	Briski
2. W; Aug 26	Altered Cellular and Tissue Biology; Ch. 2	Briski
3. F; Aug 28	Altered Cellular and Tissue Biology	Briski
4. M; Aug 31	The Cellular Environment: Fluids, Electrolytes; Ch. 3	Briski
5. W; Sept 2	The Cellular Environment: Fluids, Electrolytes	Briski
	Unit II: Genes and Gene-Environment Interaction	
6. F; Sept 4	Genes and Genetic Diseases; Ch. 4	Liu
	<i>M; Sept 7 Labor Day Holiday</i>	
7. W; Sept 9	Genes, Environment/Life/Style, Common Diseases; Ch. 5	Liu
	Unit IV: Cellular Proliferation: Cancer	
8. F; Sept 11	Biology of Cancer; Ch. 11	Liu
9. M; Sept 14	Biology of Cancer	Liu
	<i>W; Sept 16 Examination One</i>	
10. F; Sept 18	Tumor Invasion and Metastasis; Ch. 12	Liu
11. M; Sept 21	Tumor Invasion and Metastasis	Liu
12. W; Sept 23	Cancer in Children; Ch. 13	Liu
13. F; Sept 25	Cancer in Children	Liu
	Unit VIII: The Hematologic System	
14. M; Sept 28	Structure/Function of the Hematologic System; Ch. 25	Hsia
15. W; Sept 30	Alterations of Erythrocyte Function; Ch. 26	Hsia
16. F; Oct 2	Alterations of Erythrocyte Function	Hsia
17. M; Oct 5	Alter. Leukocyte/Lymphoid/Hemostatic Function; Ch. 27	Hsia
18. W; Oct 7	Alter. Leukocyte/Lymphoid/Hemostatic Function	Hsia
19. F; Oct 9	Alterations of Hematologic Function □ Children; Ch. 28	Hsia
	<i>M; Oct 12 Examination Two</i>	
	Unit V: The Neurologic System	
21. W; Oct 14	Structure/Function of the Neurologic System; Ch. 14	Hsia
22. F; Oct 16	Pain, Temp. Regulation, Sleep, and Sensory Function; Ch. 15	Hsia
23. M; Oct 19	Concepts of Neurologic Dysfunction; Ch. 16	Briski
24. W; Oct 21	Concepts of Neurologic Dysfunction	Briski
	<i>F; Oct 23; Fall Holiday</i>	
	<i>M Oct 25 Fall Holiday</i>	
25. W; Oct 28	Alterations in Neurologic Dysfunction; Ch. 17	Briski
26. F; Oct 30	Alterations in Neurologic Dysfunction	Briski
27. M; Nov 2	Schizophrenia/Mood and Anxiety Disorders; Ch. 18	Briski
28. W; Nov 4	Schizophrenia/Mood and Anxiety Disorders	Briski
29. F; Nov 6	Alterations of Neurologic Function in Children; Ch. 19	Briski
	<i>M; Nov 9 Examination Three</i>	

Final Examination (comprehensive)-See schedule of Finals