

SYLLABUS CHM 365 and BSC 365 Fall 2007 Section 101

Introductory Biochemistry

Instructor: Dr. Leslie Meadows Frost 464 Science email: frost@marshall.edu

Office Hours: Official office hours will be M,W, F 1-3
As long as I am in my office, you can feel free to enter and ask questions at any time.

Statement of Course: CHM 365 is a survey course including introduction to basic biochemical concepts, metabolic pathways, and bioenergetics. A prerequisite is CHM 327 or CHM 356. The goal of this course is to present a clear discussion of the biochemistry of mammalian cells and to relate the biochemical events at the cellular level to the physiological processes occurring in the whole animal.

Textbook: “*Fundamentals of Biochemistry*” by Voet, Voet, and Pratt **Wiley and Sons**, 2nd ed., 2006.

Chapters Covered :

Chapters are listed in the order in which they will be covered.

Chapter 1	Cell Structure
Chapter 2	Water
Chapter 4	Amino Acids
Chapter 5	Proteins: Analytical Techniques
Chapter 6	Proteins: 3D Structure
Chapter 7	Protein Function and Protein Examples
Chapters 9 and 10	Lipids and Biological Membranes
Chapters 11 and 12	Enzymes
Chapter 13	Introduction to Metabolism
Chapter 16	Citric Acid Cycle`
Chapter 17	Electron Transport and Oxidative Phosphorylation
Chapter 14	Glycolysis
Chapter 15	Glucose Metabolism
Chapter 19	Lipid Metabolism
Chapter 20	Amino Acid Metabolism

Web Site:

My notes for this course can be found on my webpage (<http://www.science.marshall.edu/frost>) under teaching (biochemistry I). You will need to bring a copy of all relevant notes to class with you each day. You will also find the four old exams from 2004, end of chapter assigned problems, and my problem sets on this webpage.

Exam Schedule:

Exam 1 ,	Sept. 12
Exam 2	Oct. 10
Exam 3	Oct. 31
Exam 4	Nov. 26

Exam dates are approximate. You will be given 1 week prior notice before all exams.

Final Exam Monday, Dec. 10 at 10:15 AM in room 473

→ Last day to drop this course is Oct. 26.

Grading Scale:

450-500 pts	A
400-449 pts	B
350-399 pts	C
300-349 pts	D
Below 300 pts	F

Each Exam is worth 100 pts, and the final is worth 100 pts. All 4 exams count for credit. You must have a university excuse for missing an exam. If you must miss an exam, you will need to make arrangements with me to take a make-up exam. Hourly exams will consist of one or more of the following sections: multiple choice, short answer, calculations, and essay. The format for the final will be announced in class.

Homework:

Each student is to prepare for each class by reading the material covered in the previous class, answering the relevant problems at the end of each chapter, and previewing the material to anticipate the next class lecture. Additional homework problems can be found on my webpage. These are for your benefit only and will not be turned in and graded.

Extra Credit:

10 bonus points will be awarded to all students who successfully complete a case oriented problem. The maximum amount of points per semester is 10.