SYLLABUS CHM 467 Spring 2014

Intermediate Biochemistry

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

**Office Hours:** Official office hours will be M-R 9-10

As long as I am in my office or lab, feel free to enter and ask questions at any time.

The best way to contact me is by email (not phone).

**Statement of Course:** 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.

**Prereqs:**  CHM 365 (or BSC365) Introductory Biochemistry

**Attendance Policy:** Students must attend on exam days. Make-up exams will only be given if you have a University approved excuse for missing the exam.

**Textbook:** “Biochemistry” by Matthews, VanHolde, Appling, and Anthony-Cahill; 4th edition; Pearson Publishing

**Course Content:**

**Amino Acids review**

**Introduction to Metabolism**

**Citric Acid Cycle Chapter 14**

**Glycolysis Chapter 13**

**Lipid Metabolism Chapters 17&19**

**Amino Acid Metabolism Chapter 21&21**

**Mammalian Fuel Metabolism**

**Biochemical Signaling Chapter 23**

**Selected DNA Topics Chapters 24-29**

**Drug Discovery**

**Various Topics** Topics relating to Cancer, Neurochemistry, Diabetes, Immunology, etc. This section will be driven by student interests and time allowed.

**Exams:**

There will be 4 exams given throughout the semester. Each exam will be worth 100 points. 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.

Exam 1 Wednesday, Feb 12th

Exam 2 Wednesday, March 5th

Exam 3 Wednesday, April 9th

Exam 4 Friday, May 9th at 10:15 AM

Exam dates are approximate (except for the final exam). You will be given 1 week prior notice before all exams. You must have a university excuse for missing an exam to be able to take a make-up exam. You will need to make arrangements with me to take the make-up exam. Talking to each other and/or sharing calculators is not permitted during an exam. All calculators will be checked prior to every exam. Programmable calculators will **not** be permitted for use on tests. If you are caught cheating on any exam, you will automatically receive a grade of 0% for that exam. **Attendance for this course is optional, but strongly encouraged.**

**Grading Scale:**

360-400 pts A

320-359 pts B

280-319 pts C

240-279 pts D

Below 240 pts F

**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 and readings will be posted on muonline. All homework is for practice only and will not be graded. Your grade for this course is based entirely on the 4 hourly exams.

**MUOnline:**

I will be posting course material on muonline throughout the semester. This will include all lecture notes, old exams for practice purposes, assigned problems from the textbook, and additional problem sets with answers. You will probably want to bring copies of the lecture notes to class to keep you focused during the lectures.

**Miscellaneous Topics**

**● Academic Dishonesty:** Marshall University’s academic honest policy (http://www.marshall.edu/academicaffairs/Academic%20Dishonesty%20Policy.pdf) will be enforced. Any student caught cheating in this course will receive 0 points on that assignment or exam.

**● “Policy for Students with Disabilities:** Marshall University is committed to equal opportunity in education for all students, including those with physical, learning and psychological disabilities.  University policy states that it is the responsibility of students with disabilities to contact the Office of Disabled Student Services (DSS) in Prichard Hall 117, phone 304 696-2271 to provide documentation of their disability.  Following this, the DSS Coordinator will send a letter to each of the student’s instructors outlining the academic accommodation he/she will need to ensure equality in classroom experiences, outside assignment, testing and grading.  The instructor and student will meet to discuss how the accommodation(s) requested will be provided.  For more information, please visit [http://www.marshall.edu/disabled](https://outlookweb.marshall.edu/owa/redir.aspx?C=214f712951214368819838517632d478&URL=http%3a%2f%2fwww.marshall.edu%2fdisabled) or contact Disabled Student Services Office at Prichard Hall 11, phone 304-696-2271.”

● You will not be allowed to use any graphing calculators for the exams. Use of cell phones during the exam will result in a 0 on that given exam.

● If a test falls on a day that is cancelled by the university (e.g. a snow day), the test will occur on the next period the class meets.

●Please turn off cell phone ringers before class. Failure to do so may result in you being removed from the room, even during a test.

● You may not record my lectures without my permission and under no circumstances may they be posted, transferred, or reproduced to any form of media (Internet, print, television, and the like) without my permission.