

**SYLLABUS****CHM 365 Fall 2017****Sections 101 and 102**

Introductory Biochemistry

**Instructor:** Dr. Leslie Meadows Frost 464 Science

email: frost@marshall.edu

**Days/Time/Location:** MWF 10:00-10:50 AM, Science Hall 465 Section 101  
MWF 11:00-11:50 AM, Science Hall 465 Section 102**Office Hours:** Official office hours will be MW 9-10, T 9-11

During office hours I may be in either my office or laboratory (401). Please check both places for me. I will be in room S460 from 10-11 on Tuesdays. If you cannot come by during scheduled office hours or have questions at other times, please feel free to drop by my office (464) or lab (401) at any time.

**University Policies:** By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to [www.marshall.edu/academic-affairs](http://www.marshall.edu/academic-affairs) and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to [www.marshall.edu/academic-affairs/policies/](http://www.marshall.edu/academic-affairs/policies/).

Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment

**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.

**Required Text and Materials:**

1. “*Fundamentals of Biochemistry*” by Voet, Voet, and Pratt **Wiley and Sons**, 5<sup>th</sup> ed., 2016.  
All other material accompanying the text (study guides, etc.) is optional.
2. Access to MU Online and a Marshall email account
3. Non-programmable calculator for exams (it must not have keys for the alphabet)
4. #2 pencil for tests

**Chapters Covered :**

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

Chapter 1	Cell Structure
Chapter 2	Water
Chapter 3	Nucleotides
Chapter 4	Amino Acids
Chapter 5	Proteins: Primary Structure and Analytical Techniques
Chapter 6	Proteins: 3D Structure
Chapter 7	Protein Function and Protein Examples
Chapter 8	Carbohydrates
Chapter 9	Lipids and Biological Membranes
Chapter 10	Membrane Transport
Chapters 11 and 12	Enzymes
Chapter 13	Biochemical Signaling
Chapter 14	Introduction to Metabolism
Chapter 17	Citric Acid Cycle
Chapter 15	Glucose Metabolism

**Exam Schedule:**

Exam 1	Sept. 13
Exam 2	Oct. 11
Exam 3	Nov. 1
Exam 4	Dec. 1

Exam dates are approximate (except for the final exam). You will be given 1 week prior notice before all exams.

Final Exam	Section 101	Monday, Dec. 11 <sup>th</sup> at 10:15 AM
	Section 102	Tuesday, Dec. 12 <sup>th</sup> at 10:15 AM

**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 to be able to take a make-up exam. The make-up date will be December 13<sup>th</sup> at 10 AM. 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. Talking to each other and/or sharing a calculator is not permitted during an exam. Programmable calculators will **not** be permitted for use on tests. Absolutely no phones allowed out during exams. No leaving the room once the exam starts for any reason. If you are caught cheating on any exam, you will automatically receive a grade of 0% for that exam.

**Online:**

My notes for this course can be found on MUOnline. You will need to bring a copy of all relevant notes to class with you each day. You will also find old exams, end of chapter assigned problems, and my problem sets online. I will also be posting links to additional material on basic concepts throughout the semester. You will want to visit this site often throughout the semester.

**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. All assigned homework problems are for studying purposes only and will not be turned in and graded.

**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.
- 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. Absolutely no phones allowed out during exams. If you are caught with a phone during the exam, I will assume that you are cheating on the exam.
- 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.